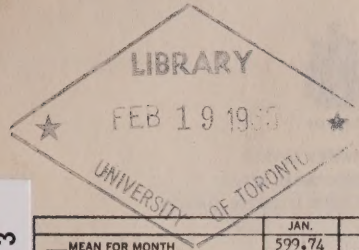


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SCS MED. DIV.



WATER LEVEL BULLETIN for the
GREAT LAKES AND MONTREAL HARBOUR
St. Lawrence River.

INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1963

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.74												
HIGH LEVEL FOR MONTH	600.25												
Day and Hour	12/0108												
LOW LEVEL FOR MONTH	599.28												
Day and Hour	13/0417												
HIGHEST DAILY MEAN	599.96												
Day	1												
LOWEST DAILY MEAN	599.60												
Day	13												
Last year's mean for month	599.93												
Max. mean for month since 1860	601.21												
Year	1952												
Min. mean for month since 1860	598.66												
Year	1926												
Mean for month - last 10 years	600.11												
Mean for month - since 1860	600.32												

LAKE HURON (at Goderich)

MEAN FOR MONTH	576.46												
HIGH LEVEL FOR MONTH	577.13												
Day and Hour	21/0313												
LOW LEVEL FOR MONTH	575.59												
Day and Hour	12/2158												
HIGHEST DAILY MEAN	576.33												
Day	14												
LOWEST DAILY MEAN	576.16												
Day	29												
Last year's mean for month	577.45												
Max. mean for month since 1860	580.91												
Year	1936												
Min. mean for month since 1860	575.76												
Year	1934												
Mean for month - last 10 years	577.64												
Mean for month - since 1860	578.33												

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	569.47												
HIGH LEVEL FOR MONTH	572.79												
Day and Hour	20/2030												
LOW LEVEL FOR MONTH	567.33												
Day and Hour	11/1223												
HIGHEST DAILY MEAN	570.80												
Day	14												
LOWEST DAILY MEAN	568.37												
Day	11												
Last year's mean for month	569.94												
Max. mean for month since 1860	572.44												
Year	1863												
Min. mean for month since 1860	568.03												
Year	1935												
Mean for month - last 10 years	570.12												
Mean for month - since 1860	570.32												

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	243.92												
HIGH LEVEL FOR MONTH	244.54												
Day and Hour	20/2228												
LOW LEVEL FOR MONTH	243.36												
Day and Hour	11/1632												
HIGHEST DAILY MEAN	244.15												
Day	14												
LOWEST DAILY MEAN	243.62												
Day	31												
Last year's mean for month	242.39												
Max. mean for month since 1860	246.43												
Year	1936												
Min. mean for month since 1860	241.73												
Year	1935												
Mean for month - last 10 years	243.97												
Mean for month - since 1860	244.30												

MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	33.51												
HIGH LEVEL FOR MONTH	37.33												
Day and Hour	24/0026												
LOW LEVEL FOR MONTH	28.96												
Day and Hour	12/0741												
HIGHEST DAILY MEAN	37.32												
Day	23												
LOWEST DAILY MEAN	29.23												
Day	11												
Last year's mean for month	26.63												
Max. mean for month since 1860	40.14												
Year	1886												
Min. mean for month since 1860	21.25												
Year	1932												
Mean for month - last 10 years	30.43												
Mean for month - since 1860	32.34												
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).

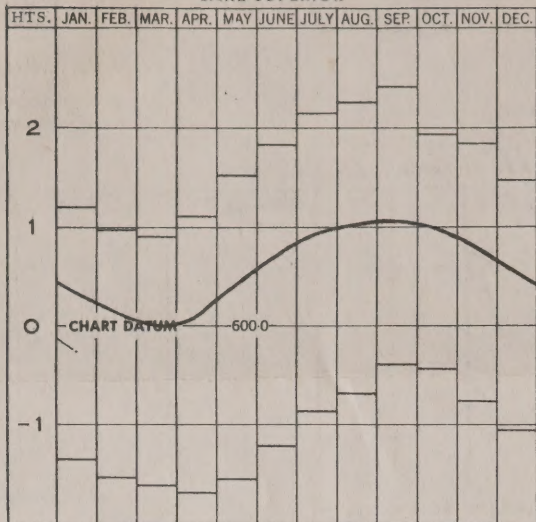
THE REFERENCE ZERO FOR I G L D (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.

W.L. FORM-M173-REV '61

Corrections to be made to 1962 December Bulletin at Montreal Harbour

High level for month 30.81
Day and hour 31/2359
Low level for month 17.41
Day and hour 4/0742

LAKE SUPERIOR



CANADA

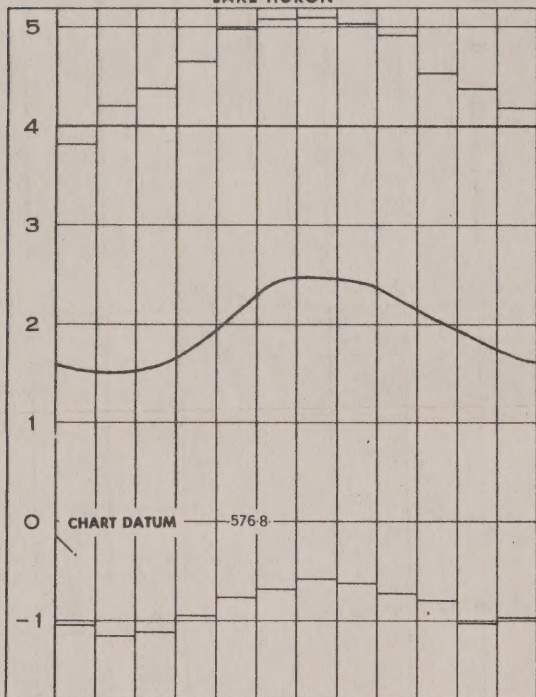
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

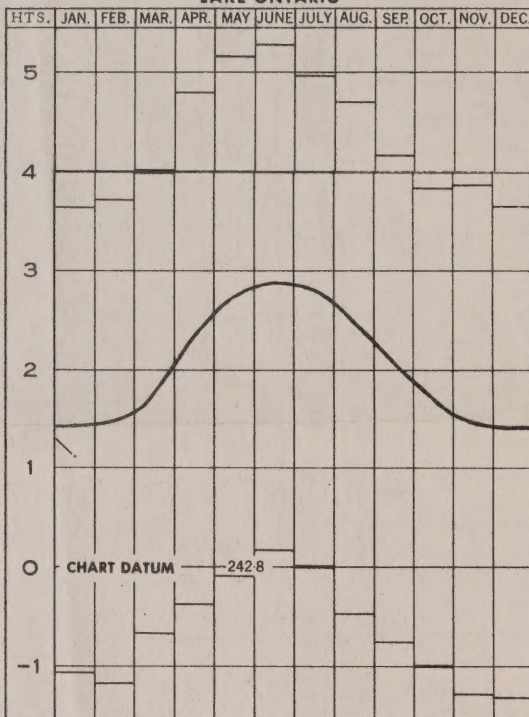
1963

Maximum	_____	PERIOD OF RECORD MONTHLY
Minimum	_____	
Mean	_____	
Mean	_____	

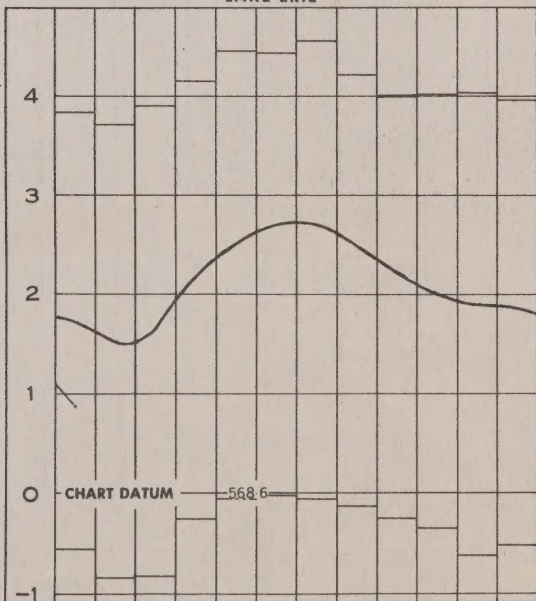
LAKE HURON



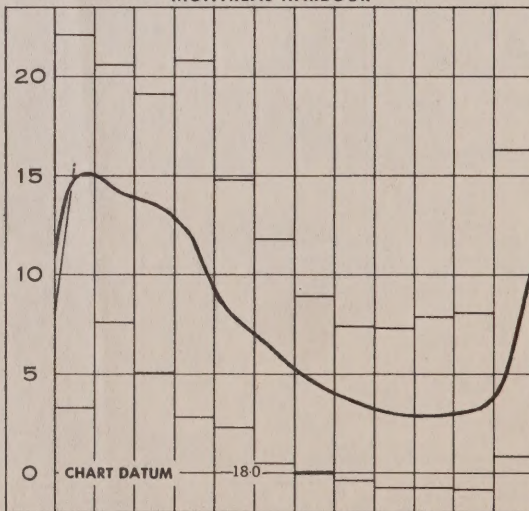
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR

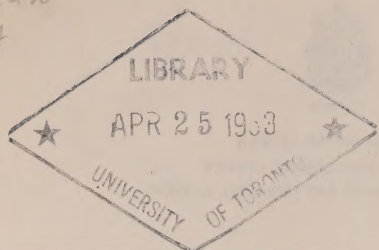


HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.

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Canada Hydrographic & Map Service

SOL. MED. DIV.



WATER LEVEL BULLETIN for the
GREAT LAKES AND (MONTREAL HARBOUR)
St. Lawrence River,



INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1963

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.74	599.60	599.55										
HIGH LEVEL FOR MONTH	600.25	600.17	600.06										
Day and Hour	1/6108	1/1426	29/0322										
LOW LEVEL FOR MONTH	599.28	599.18	599.09										
Day and Hour	13/0417	2/0706	17/0347										
HIGHEST DAILY MEAN	599.96	599.81	599.70										
Day	1	1	29										
LOWEST DAILY MEAN	599.60	599.48	599.44										
Day	13	20	17										
Last year's mean for month	599.93	599.77	599.72										
Max. mean for month since 1860	601.21	600.99	600.92										
Year	1952	1952	1951										
Min. mean for month since 1860	598.66	598.48	598.40										
Year	1926	1926	1926										
Mean for month-last 10 years	600.11	599.81	599.70										
Mean for month-since 1860	600.32	600.13	600.03										

LAKE HURON (at Goderich)

MEAN FOR MONTH	576.46	576.27	576.25										
HIGH LEVEL FOR MONTH	577.13	576.88	577.02										
Day and Hour	21/0313	2/1630	21/0932										
LOW LEVEL FOR MONTH	575.59	575.24	575.46										
Day and Hour	12/2158	1/2145	19/1918										
HIGHEST DAILY MEAN	576.83	576.56	576.74										
Day	14	3	21										
LOWEST DAILY MEAN	576.16	575.99	575.96										
Day	29	1	16										
Last year's mean for month	577.45	577.26	577.34										
Max. mean for month since 1860	580.91	580.98	581.17										
Year	1886	1886	1886										
Min. mean for month since 1860	575.76	575.66	575.69										
Year	1934	1934	1934										
Mean for month-last 10 years	577.64	577.53	577.52										
Mean for month-since 1860	578.33	578.29	578.36										

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	569.47	568.98	569.26										
HIGH LEVEL FOR MONTH	572.79	569.76	571.05										
Day and Hour	20/2030	20/1626	6/1836										
LOW LEVEL FOR MONTH	567.83	568.55	568.17										
Day and Hour	11/1223	24/0209	5/1420										
HIGHEST DAILY MEAN	570.80	569.18	570.19										
Day	14	2	20										
LOWEST DAILY MEAN	568.37	568.86	568.47										
Day	11	28	5										
Last year's mean for month	569.94	569.45	569.73										
Max. mean for month since 1860	572.44	572.32	572.50										
Year	1863	1863	1863										
Min. mean for month since 1860	568.03	567.75	567.76										
Year	1935	1935	1934										
Mean for month-last 10 years	570.12	569.82	570.16										
Mean for month-since 1860	570.32	570.09	570.25										

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	243.92	243.39	243.27										
HIGH LEVEL FOR MONTH	244.54	244.00	243.93										
Day and Hour	20/2228	2/2208	30/1209										
LOW LEVEL FOR MONTH	243.36	243.00	242.32										
Day and Hour	11/1632	24/0347	19/2306										
HIGHEST DAILY MEAN	244.15	243.64	243.77										
Day	14	2	30										
LOWEST DAILY MEAN	243.62	243.19	242.97										
Day	31	28	11										
Last year's mean for month	242.38	243.11	243.26										
Max. mean for month since 1860	246.43	246.50	246.79										
Year	1886	1886	1952										
Min. mean for month since 1860	241.73	241.63	242.13										
Year	1935	1936	1935										
Mean for month-last 10 years	243.97	243.89	244.22										
Mean for month-since 1860	244.20	244.25	244.52										

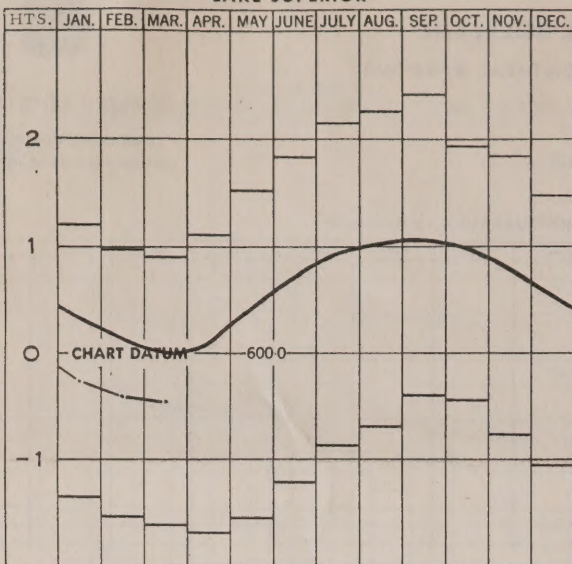
MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	33.51	30.80	23.64										
HIGH LEVEL FOR MONTH	37.33	34.68	29.74										
Day and Hour	24/0026	1/0057	1/0003										
LOW LEVEL FOR MONTH	28.96	28.27	19.68										
Day and Hour	12/0741	17/0952	25/0344										
HIGHEST DAILY MEAN	37.32	34.33	29.36										
Day	23	1	1										
LOWEST DAILY MEAN	29.28	28.66	19.89										
Day	11	17	25										
Last year's mean for month	26.63	30.13	23.08										
Max. mean for month since 1860	40.14	38.66	37.12										
Year	1886	1890	1890										
Min. mean for month since 1860	21.25	25.61	23.08										
Year	1932	1935	1962										
Mean for month-last 10 years	30.43	31.38	26.09										
Mean for month-since 1860	32.84	32.36	31.52										
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).

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LAKE SUPERIOR



CANADA

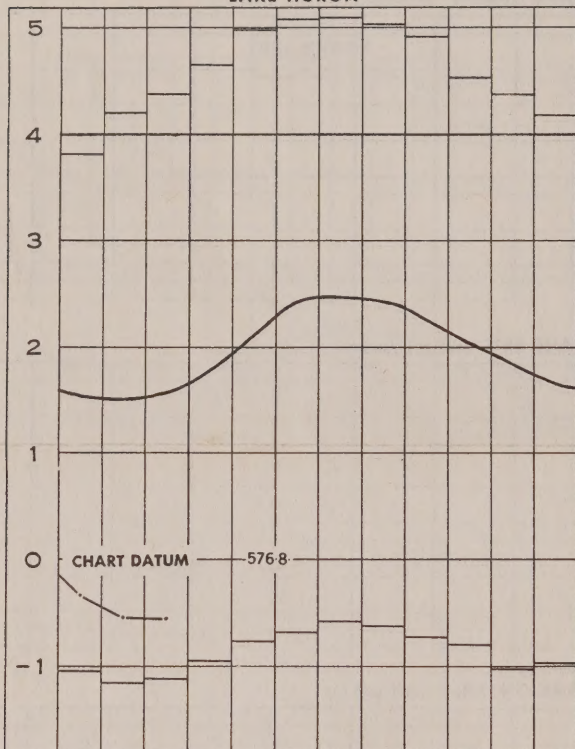
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

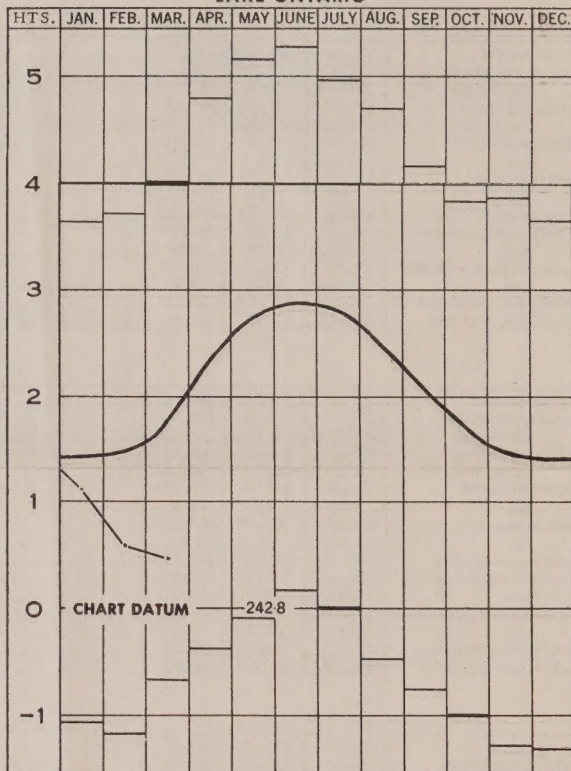
1963

Maximum	_____	PERIOD OF RECORD
Minimum	_____	
Mean	_____	
Mean	_____	
		MONTHLY

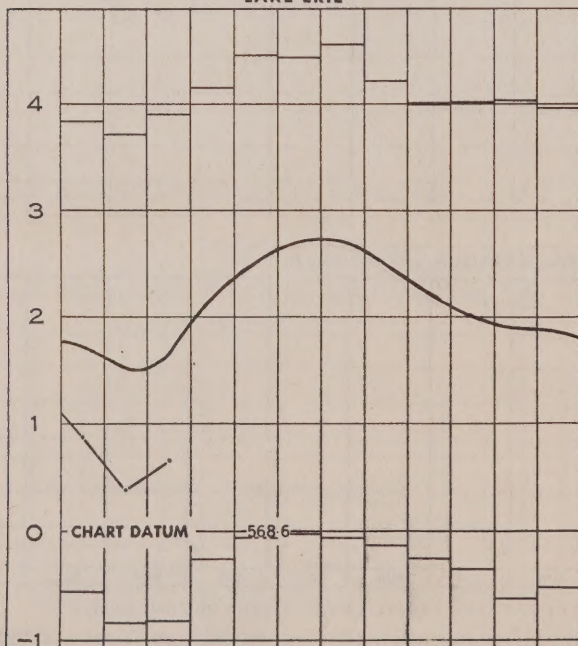
LAKE HURON



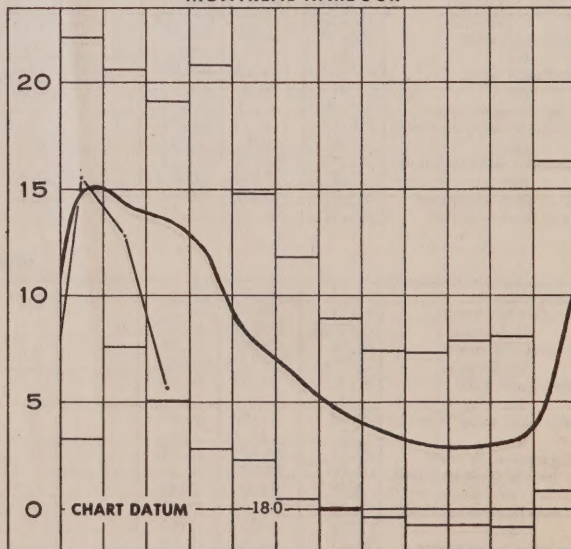
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR

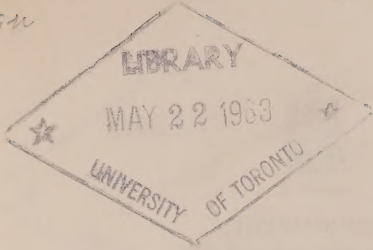


HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.

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Canada Hydrographic Service

SCI. MED. DIV.
1963



WATER LEVEL BULLETIN for the
GREAT LAKES AND (MONTREAL HARBOUR)
St. Lawrence River.

INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1963

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.74	599.60	599.55	599.76									
HIGH LEVEL FOR MONTH	600.25	600.17	600.06	600.35									
Day and Hour	1/0108	1/1426	29/0322	3/1031									
LOW LEVEL FOR MONTH	599.28	599.18	599.09	599.12									
Day and Hour	18/0417	2/0706	17/0947	3/2258									
HIGHEST DAILY MEAN	599.96	599.81	599.70	599.89									
Day	1	1	29	16									
LOWEST DAILY MEAN	599.60	599.48	599.44	599.61									
Day	18	20	17	1									
Last year's mean for month	599.93	599.77	599.72	599.70									
Max. mean for month since 1860	601.21	600.99	600.92	601.12									
Year	1952	1952	1951	1951									
Min. mean for month since 1860	598.66	598.48	598.40	598.33									
Year	1926	1926	1926	1926									
Mean for month-last 10 years	600.11	599.81	599.70	599.76									
Mean for month-since 1860	600.32	600.13	600.03	600.10									

LAKE HURON (at Goderich)

MEAN FOR MONTH	576.46	576.27	576.25	576.54									
HIGH LEVEL FOR MONTH	577.18	576.88	577.02	577.55									
Day and Hour	21/0318	2/1630	21/0932	4/0952									
LOW LEVEL FOR MONTH	575.59	575.24	575.46	575.64									
Day and Hour	12/2158	1/2145	19/1018	19/1639									
HIGHEST DAILY MEAN	576.83	576.56	576.74	576.98									
Day	14	3	21	4									
LOWEST DAILY MEAN	576.16	575.99	575.96	576.25									
Day	29	1	16	19									
Last year's mean for month	577.45	577.26	577.34	577.56									
Max. mean for month since 1860	580.91	580.98	581.17	581.46									
Year	1986	1886	1886	1886									
Min. mean for month since 1860	575.76	575.66	575.69	575.85									
Year	1934	1934	1934	1934									
Mean for month-last 10 years	577.64	577.53	577.52	577.69									
Mean for month-since 1860	578.33	578.29	578.36	578.57									

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	569.47	568.98	569.26	569.91									
HIGH LEVEL FOR MONTH	572.79	569.76	571.05	572.11									
Day and Hour	20/2030	20/1626	6/1836	30/1637									
LOW LEVEL FOR MONTH	567.33	568.55	568.17	568.44									
Day and Hour	11/1223	24/0209	5/1420	23/0329									
HIGHEST DAILY MEAN	570.80	569.18	570.19	570.51									
Day	14	2	20	4									
LOWEST DAILY MEAN	568.37	568.86	568.47	569.59									
Day	11	28	5	1									
Last year's mean for month	569.94	569.45	569.73	570.24									
Max. mean for month since 1860	572.44	572.32	572.50	572.75									
Year	1863	1863	1863	1952									
Min. mean for month since 1860	568.03	567.75	567.76	568.34									
Year	1935	1935	1934	1935									
Mean for month-last 10 years	570.12	569.82	570.16	570.67									
Mean for month-since 1860	570.32	570.09	570.25	570.77									

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	243.92	243.39	243.27	244.43									
HIGH LEVEL FOR MONTH	244.54	244.00	243.93	245.22									
Day and Hour	20/2228	2/2208	30/1209	30/2024									
LOW LEVEL FOR MONTH	243.36	243.00	242.32	243.59									
Day and Hour	11/1632	24/0347	19/2306	1/1049									
HIGHEST DAILY MEAN	244.15	243.64	243.77	244.79									
Day	14	2	30	24									
LOWEST DAILY MEAN	243.52	243.19	242.97	243.73									
Day	31	28	11	1									
Last year's mean for month	243.38	243.11	243.26	244.29									
Max. mean for month since 1860	246.43	246.50	246.79	247.61									
Year	1886	1886	1952	1952									
Min. mean for month since 1860	241.73	241.63	242.13	242.42									
Year	1935	1936	1935	1935									
Mean for month-last 10 years	243.97	243.89	244.22	244.99									
Mean for month-since 1860	244.20	244.25	244.52	245.12									

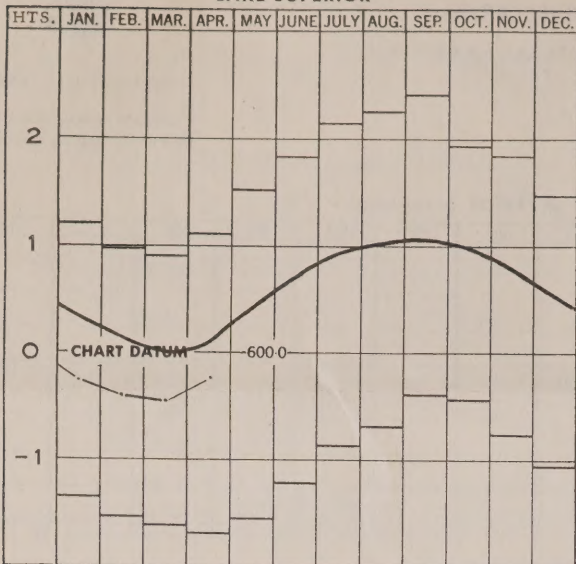
MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	33.51	30.80	23.64	22.40									
HIGH LEVEL FOR MONTH	37.93	34.68	29.74	27.00									
Day and Hour	24/0026	1/0057	1/0003	5/1858									
LOW LEVEL FOR MONTH	28.96	28.27	19.68	19.43									
Day and Hour	12/0741	17/0952	25/0344	30/0909									
HIGHEST DAILY MEAN	37.32	34.33	29.36	26.76									
Day	23	1	1	5									
LOWEST DAILY MEAN	29.28	28.66	19.89	19.62									
Day	11	17	25	30									
Last year's mean for month	26.63	30.13	23.08	22.14									
Max. mean for month since 1860	40.14	38.66	37.12	36.84									
Year	1886	1890	1890	1887									
Min. mean for month since 1860	21.25	25.61	23.08	20.78									
Year	1932	1935	1962	1931									
Mean for month-last 10 years	30.43	31.38	26.09	24.34									
Mean for month-since 1860	32.84	32.36	31.52	29.56									
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).

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LAKE SUPERIOR



CANADA

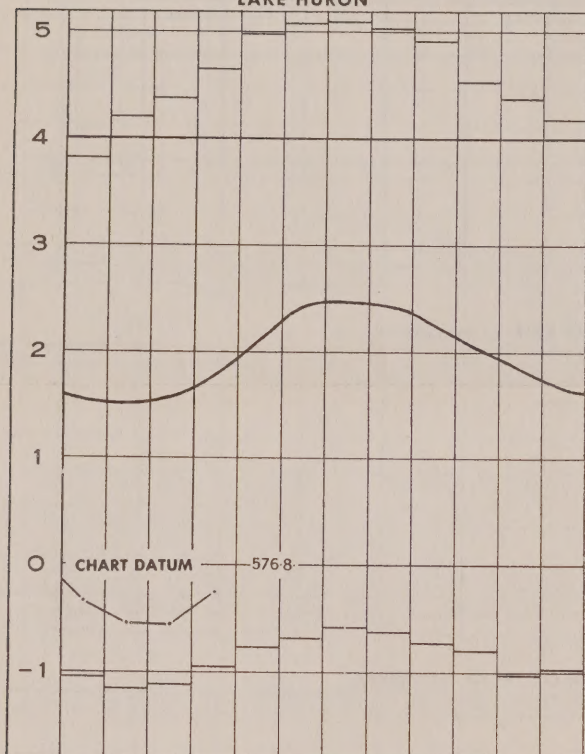
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

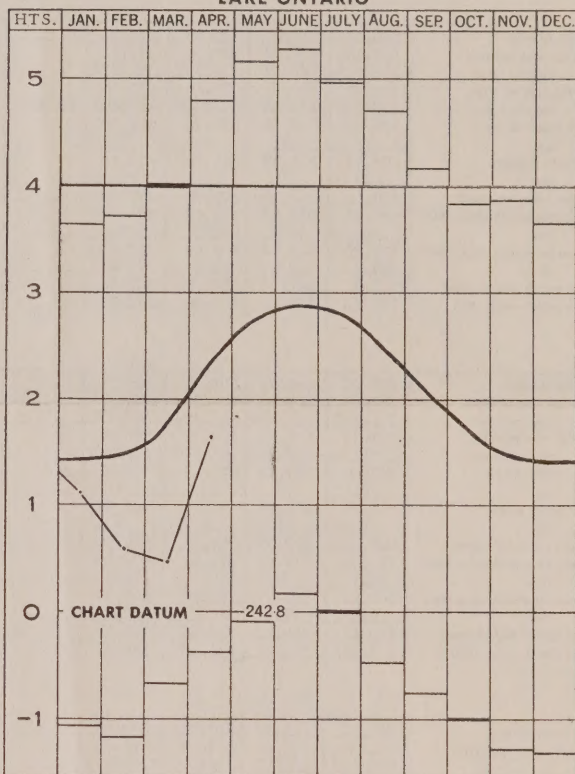
1963

Maximum	_____	PERIOD OF RECORD
Minimum	_____	
Mean	_____	
Mean	_____	
		MONTHLY

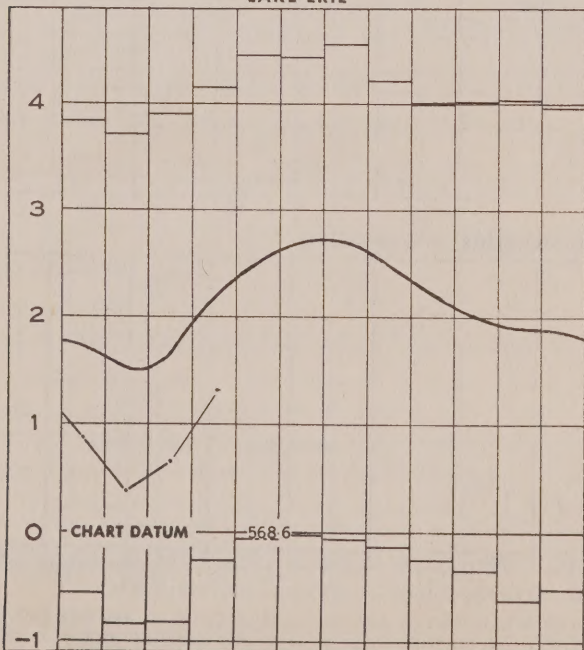
LAKE HURON



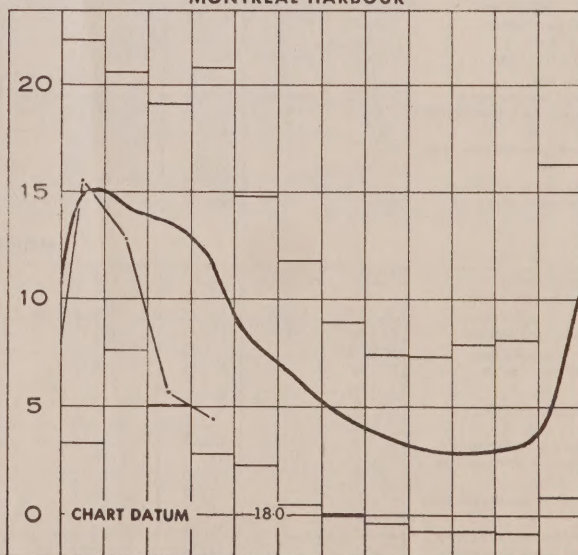
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.

Gov. Doc Canada Hydrographic & Survey Service
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WATER LEVEL BULLETIN for the
GREAT LAKES AND MONTREAL HARBOUR
St. Lawrence River.



INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1963

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.74	599.60	599.55	599.76	600.00								
HIGH LEVEL FOR MONTH	600.35	600.17	600.06	600.35	600.47								
Day and Hour	1/0108	1/1426	29/0322	3/1031	8/1007								
LOW LEVEL FOR MONTH	599.28	599.18	599.09	599.12	599.34								
Day and Hour	13/0417	2/0706	17/0947	3/2258	8/0930								
HIGHEST DAILY MEAN	599.96	599.81	599.70	599.89	600.08								
Day	1	1	29	16	23								
LOWEST DAILY MEAN	599.60	599.48	599.44	599.61	599.85								
Day	13	20	17	1	5								
Last year's mean for month	599.93	599.77	599.72	599.70	600.05								
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53								
Year	1952	1952	1951	1951	1951								
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46								
Year	1926	1926	1926	1926	1926								
Mean for month - last 10 years	600.11	599.81	599.70	599.76	600.16								
Mean for month - since 1860	600.32	600.13	600.03	600.10	600.45								

LAKE HURON (at Goderich)

MEAN FOR MONTH	576.46	576.27	576.25	576.54	576.77								
HIGH LEVEL FOR MONTH	577.18	576.88	577.02	577.55	577.50								
Day and Hour	21/0313	2/1630	21/0932	4/0952	8/1430								
LOW LEVEL FOR MONTH	575.59	575.24	575.46	575.64	576.09								
Day and Hour	12/2158	1/2145	19/1018	19/1639	8/0744								
HIGHEST DAILY MEAN	576.83	576.56	576.74	576.98	577.09								
Day	14	3	21	4	22								
LOWEST DAILY MEAN	576.16	575.99	575.96	576.25	576.54								
Day	29	1	16	19	2								
Last year's mean for month	577.45	577.26	577.34	577.56	577.81								
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79								
Year	1886	1886	1886	1886	1886								
Min. mean for month since 1860	575.76	575.66	575.69	575.85	576.04								
Year	1934	1934	1934	1934	1934								
Mean for month - last 10 years	577.64	577.53	577.52	577.69	578.00								
Mean for month - since 1860	578.33	578.29	578.36	578.57	578.88								

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	569.47	568.98	569.26	569.91	570.01								
HIGH LEVEL FOR MONTH	572.79	569.76	571.05	572.11	571.11								
Day and Hour	20/2030	20/1626	6/1836	30/1637	18/0802								
LOW LEVEL FOR MONTH	567.83	568.55	568.17	568.44	568.89								
Day and Hour	11/1223	24/0209	5/1420	23/0329	10/1023								
HIGHEST DAILY MEAN	570.80	569.18	570.19	570.51	570.34								
Day	14	2	20	4	8								
LOWEST DAILY MEAN	568.37	568.86	568.47	569.59	569.61								
Day	11	28	5	1	10								
Last year's mean for month	569.94	569.45	569.73	570.24	570.27								
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06								
Year	1863	1863	1863	1952	1862								
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.55								
Year	1935	1935	1934	1935	1934								
Mean for month - last 10 years	570.12	569.82	570.16	570.67	570.98								
Mean for month - since 1860	570.32	570.09	570.25	570.77	571.09								

LAKE ONTARIO (at Kingston)

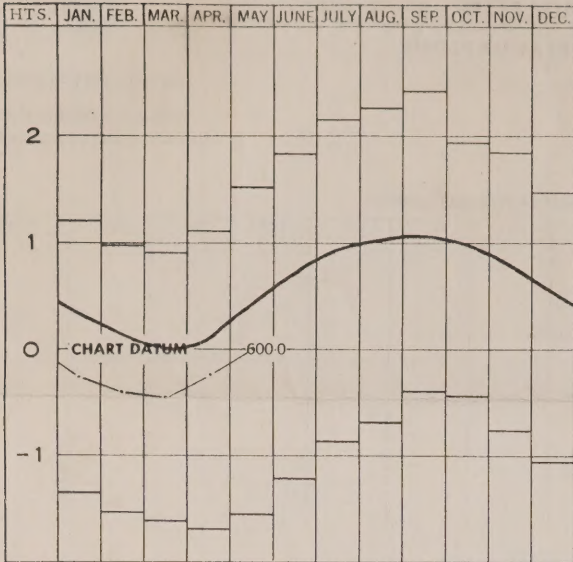
MEAN FOR MONTH	243.92	243.39	243.27	244.43	245.31								
HIGH LEVEL FOR MONTH	244.54	244.00	243.93	245.22	246.15								
Day and Hour	20/2228	2/2208	30/1209	30/2024	21/2020								
LOW LEVEL FOR MONTH	243.36	243.00	242.32	243.59	244.43								
Day and Hour	11/1632	24/0347	19/2306	1/1049	10/1443								
HIGHEST DAILY MEAN	244.15	243.64	243.77	244.79	245.68								
Day	14	2	30	24	29								
LOWEST DAILY MEAN	243.62	243.19	242.97	243.73	244.88								
Day	31	28	11	1	1								
Last year's mean for month	242.38	243.11	243.26	244.29	245.03								
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96								
Year	1886	1886	1952	1952	1952								
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72								
Year	1935	1936	1935	1935	1935								
Mean for month - last 10 years	243.97	243.89	244.22	244.99	245.57								
Mean for month - since 1860	244.20	244.25	244.52	245.13	245.54								

MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	33.51	30.80	23.64	22.40	19.09								
HIGH LEVEL FOR MONTH	37.93	34.68	29.74	27.00	20.73								
Day and Hour	24/0026	1/0057	1/0003	5/1858	3/1125								
LOW LEVEL FOR MONTH	28.96	28.27	19.68	19.43	17.45								
Day and Hour	12/0741	17/0952	25/0344	30/0909	31/2147								
HIGHEST DAILY MEAN	37.32	34.33	29.36	26.76	20.57								
Day	23	1	1	5	3								
LOWEST DAILY MEAN	29.28	28.66	19.89	19.62	17.71								
Day	11	17	25	30	31								
Last year's mean for month	26.63	30.13	23.08	22.14	20.58								
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79								
Year	1886	1890	1890	1887	1876								
Min. mean for month since 1860	21.25	25.61	23.08	20.78	19.09								
Year	1932	1935	1962	1931	1963								
Mean for month - last 10 years	30.43	31.38	26.09	24.34	22.22								
Mean for month - since 1860	32.84	32.36	31.52	29.56	25.86								

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).
THE REFERENCE ZERO FOR I G L D (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.

LAKE SUPERIOR



CANADA

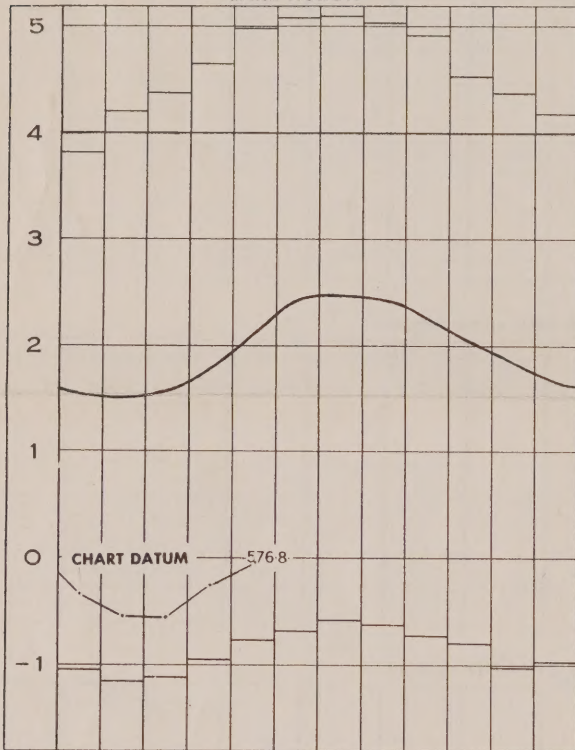
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

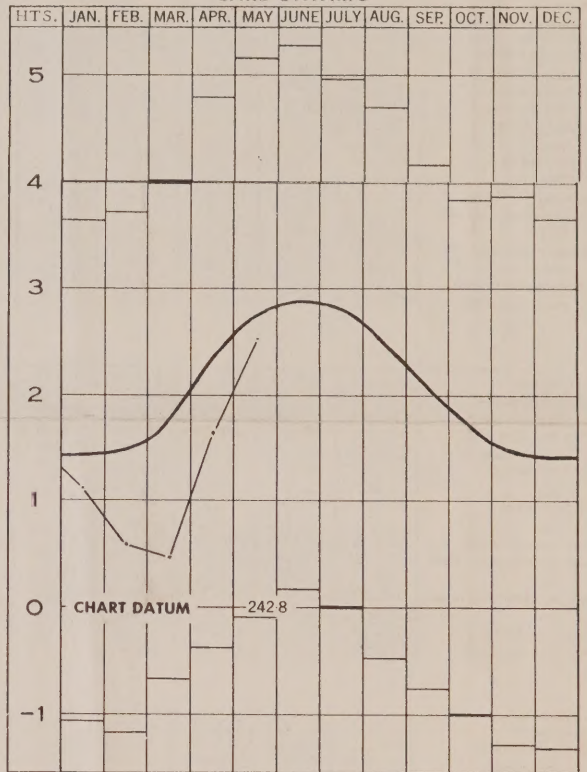
1963

Maximum	-----	PERIOD OF RECORD MONTHLY
Minimum	-----	
Mean	-----	
Mean	-----	

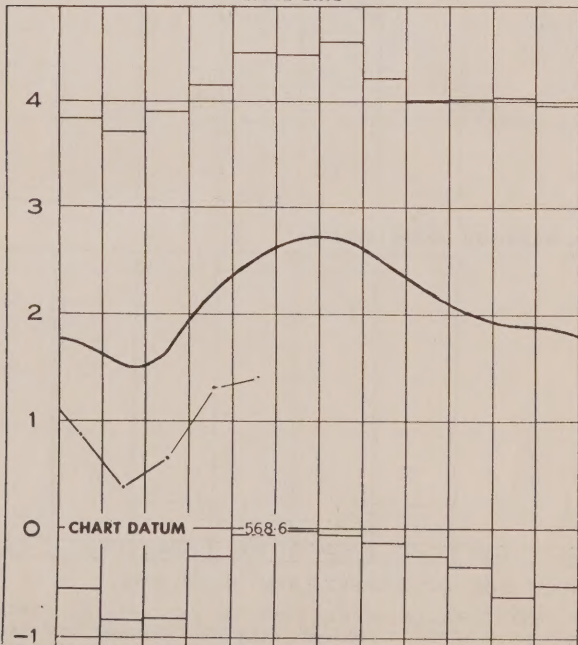
LAKE HURON



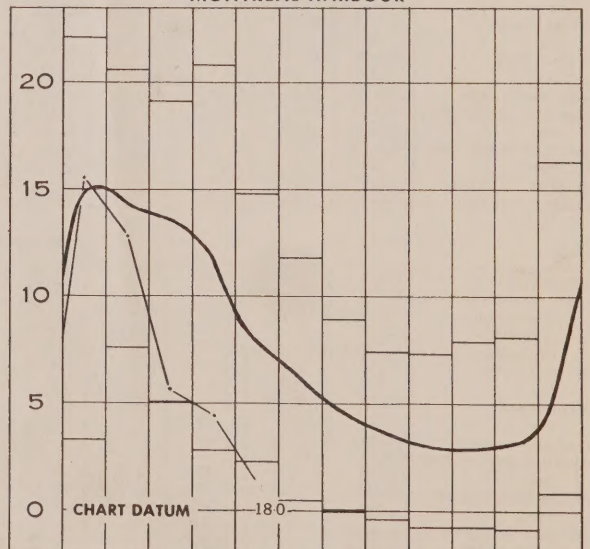
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.

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14

GD

SCI. MED. DIV.



WATER LEVEL BULLETIN for the
GREAT LAKES AND (MONTREAL HARBOUR)
St. Lawrence River.



INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1963

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.74	599.60	599.55	599.76	600.00	600.34							
HIGH LEVEL FOR MONTH	600.25	600.17	600.06	600.35	600.47	601.16							
Day and Hour	1/0108	1/1426	29/0322	3/1031	8/1007	26/0840							
LOW LEVEL FOR MONTH	599.28	599.18	599.09	599.12	599.34	599.62							
Day and Hour	18/0817	2/0706	17/0947	3/2258	8/0930	8/1311							
HIGHEST DAILY MEAN	599.96	599.81	599.70	599.89	600.08	600.58							
Day	1	1	29	16	23	30							
LOWEST DAILY MEAN	599.60	599.48	599.44	599.61	599.85	600.04							
Day	18	20	17	1	5	4							
Last year's mean for month	599.93	599.77	599.72	599.70	600.05	600.35							
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84							
Year	1952	1952	1951	1951	1951	1916							
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46	598.79							
Year	1926	1926	1926	1926	1926	1926							
Mean for month - last 10 years	600.11	599.81	599.70	599.76	600.16	600.47							
Mean for month - since 1860	600.32	600.13	600.03	600.10	600.45	600.71							

LAKE HURON (at Goderich)

MEAN FOR MONTH	576.46	576.27	576.25	576.54	576.77	576.89							
HIGH LEVEL FOR MONTH	577.18	576.88	577.02	577.55	577.50	577.34							
Day and Hour	21/0318	2/1630	21/0932	4/0952	8/1430	6/1850							
LOW LEVEL FOR MONTH	575.59	575.24	575.46	575.64	576.09	575.61							
Day and Hour	12/2158	1/2145	19/1918	19/1639	8/0744	10/1954							
HIGHEST DAILY MEAN	576.83	576.56	576.74	576.98	577.09	577.17							
Day	14	3	21	4	22	12							
LOWEST DAILY MEAN	576.16	575.99	575.96	576.25	576.54	576.59							
Day	29	1	16	19	2	10							
Last year's mean for month	577.45	577.26	577.34	577.56	577.81	577.90							
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88							
Year	1886	1886	1886	1886	1886	1886							
Min. mean for month since 1860	575.76	575.66	575.69	575.85	576.04	575.13							
Year	1934	1934	1934	1934	1934	1934							
Mean for month - last 10 years	577.64	577.53	577.52	577.69	578.00	578.18							
Mean for month - since 1860	578.33	578.29	578.36	578.57	578.88	579.12							

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	569.47	568.98	569.26	569.91	570.01	569.99							
HIGH LEVEL FOR MONTH	572.79	569.76	571.05	572.11	571.11	571.86							
Day and Hour	20/2030	20/1626	6/1836	30/1637	18/0802	10/2318							
LOW LEVEL FOR MONTH	567.83	568.55	568.17	568.44	568.89	569.13							
Day and Hour	11/1223	24/0209	5/1420	23/0329	10/1023	11/0423							
HIGHEST DAILY MEAN	570.80	569.18	570.19	570.31	570.34	570.42							
Day	14	2	20	4	8	12							
LOWEST DAILY MEAN	568.37	568.86	568.47	569.59	569.61	569.80							
Day	11	28	5	1	10	20							
Last year's mean for month	569.94	569.45	569.73	570.24	570.27	570.29							
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04							
Year	1863	1863	1863	1952	1862	1860							
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.55	568.56							
Year	1935	1935	1934	1935	1934	1934							
Mean for month - last 10 years	570.12	569.82	570.16	570.67	570.98	571.05							
Mean for month - since 1860	570.32	570.09	570.25	570.77	571.09	571.27							

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	243.92	243.39	243.27	244.43	245.31	245.72							
HIGH LEVEL FOR MONTH	244.54	244.00	243.93	245.22	246.15	246.04							
Day and Hour	20/2228	2/2208	30/1209	30/2024	21/2020	20/1932							
LOW LEVEL FOR MONTH	243.36	243.00	242.32	243.59	244.43	244.97							
Day and Hour	11/1632	24/0347	19/2306	1/1049	10/1443	11/0050							
HIGHEST DAILY MEAN	244.15	243.64	243.77	244.79	245.68	245.86							
Day	14	2	30	24	29	22							
LOWEST DAILY MEAN	243.62	243.19	242.97	243.73	244.88	245.62							
Day	31	28	11	1	2	2							
Last year's mean for month	243.38	243.11	242.26	244.29	245.03	245.32							
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07							
Year	1886	1886	1952	1952	1952	1952							
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97							
Year	1935	1936	1935	1935	1935	1935							
Mean for month - last 10 years	243.97	243.89	244.22	244.99	245.57	245.68							
Mean for month - since 1860	244.20	244.25	244.52	245.13	245.54	245.68							

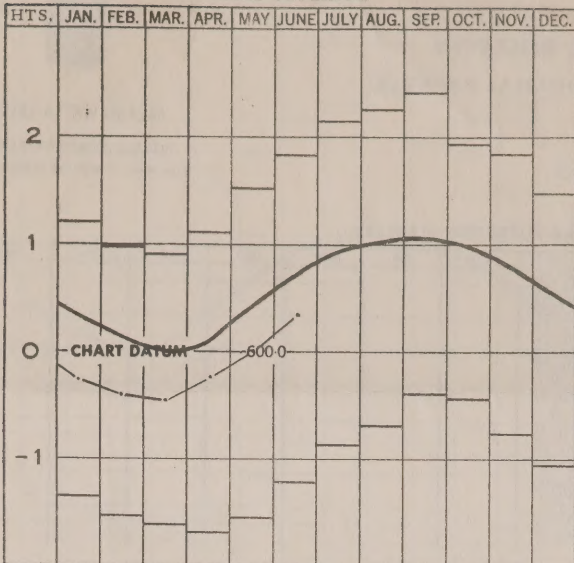
MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	33.51	30.80	23.64	22.40	19.09	17.91							
HIGH LEVEL FOR MONTH	37.83	34.68	29.74	27.00	20.73	18.53							
Day and Hour	24/0026	1/0057	1/0003	5/1858	3/1125	7/1041							
LOW LEVEL FOR MONTH	28.96	28.27	19.68	19.43	17.45	17.36							
Day and Hour	12/0741	17/0952	25/0844	30/0909	31/2147	30/2215							
HIGHEST DAILY MEAN	37.32	34.33	29.36	26.76	20.57	18.33							
Day	23	1	1	5	3	7							
LOWEST DAILY MEAN	29.28	28.66	19.89	19.62	17.71	17.57							
Day	11	17	25	30	31	30							
Last year's mean for month	26.63	30.13	23.08	22.14	20.58	18.48							
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73							
Year	1886	1890	1890	1887	1876	1876							
Min. mean for month since 1860	21.25	25.61	23.08	20.78	19.09	17.91							
Year	1932	1935	1962	1931	1963	1963							
Mean for month - last 10 years	30.43	31.38	26.09	24.34	22.22	20.88							
Mean for month - since 1860	32.84	32.36	31.52	29.56	25.86	24.12							

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).

THE REFERENCE ZERO FOR I G L D (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.

LAKE SUPERIOR



CANADA

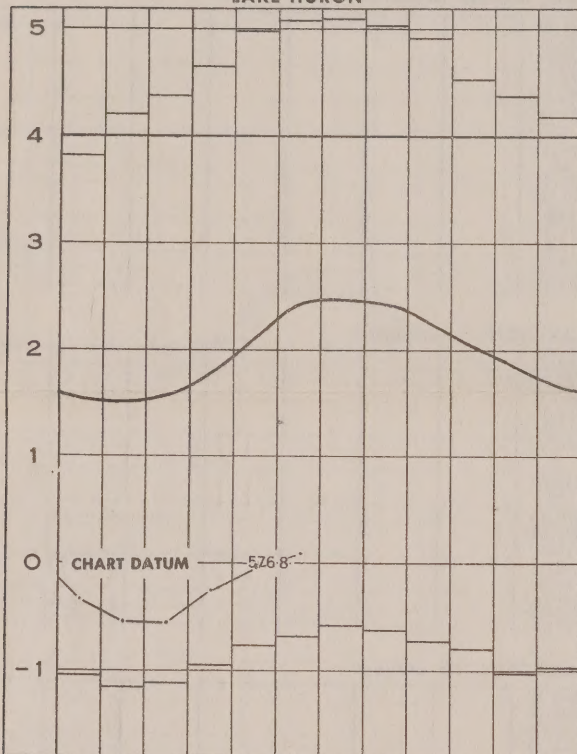
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

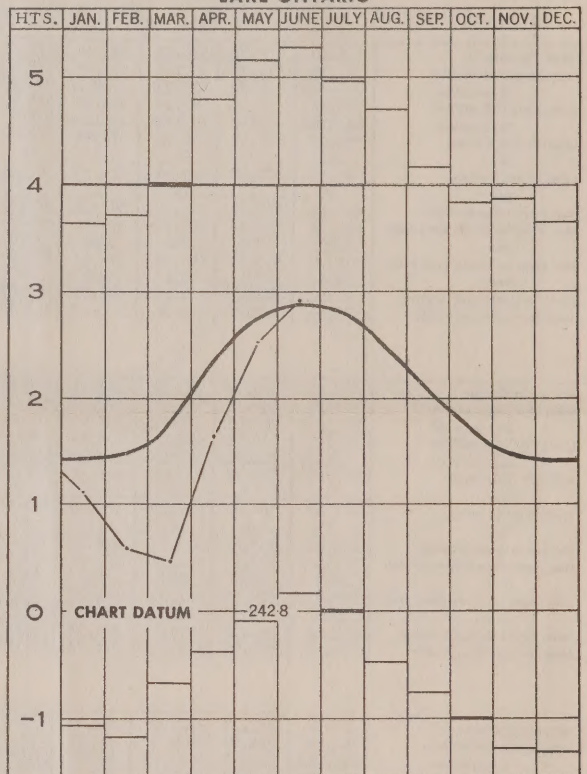
1963

Maximum	-----	PERIOD OF RECORD
Minimum	-----	
Mean	-----	
Mean	-----	MONTHLY

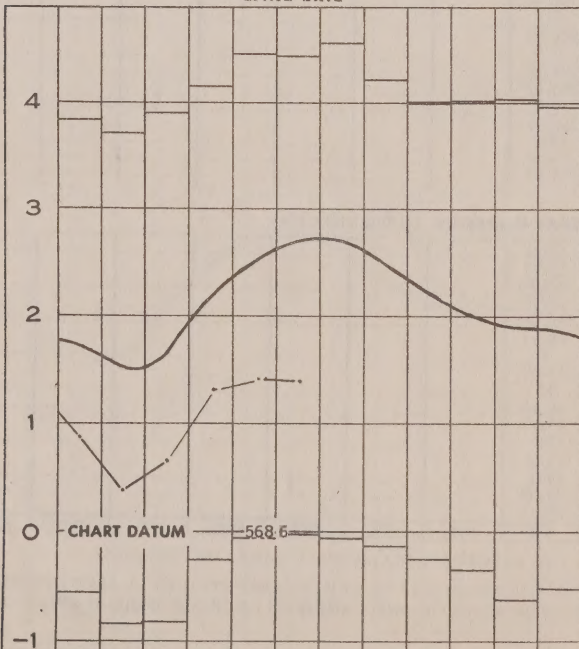
LAKE HURON



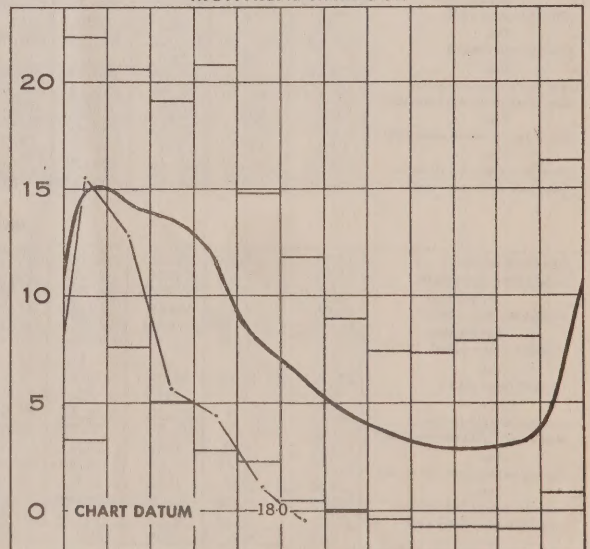
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.

r. Doc

Canada. Hydrographic Map Service

SCI. MED. DIV.



WATER LEVEL BULLETIN
GREAT LAKES AND MONTREAL HARBOUR

St. Lawrence River.

1963

INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	592.74	599.60	599.55	599.76	600.00	600.34	600.52						
HIGH LEVEL FOR MONTH	600.25	600.17	600.06	600.35	600.47	601.16	601.11						
Day and Hour	1/1018	1/1426	29/0322	3/1031	8/1007	26/0840	1/1253						
LOW LEVEL FOR MONTH	599.28	599.18	599.09	599.12	599.34	599.62	600.00						
Day and Hour	18/0217	2/0706	17/0217	3/2258	8/0930	8/1311	1/1624						
HIGHEST DAILY MEAN	599.96	599.81	599.70	599.89	600.08	600.58	600.60						
Day	1	1	29	16	23	30	27						
LOWEST DAILY MEAN	599.60	599.48	599.44	599.61	599.85	600.04	600.44						
Day	18	20	17	1	5	4	2						
Last year's mean for month	599.93	599.77	599.72	599.70	600.05	600.35	600.50						
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16						
Year	1952	1952	1951	1951	1951	1916	1876						
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46	598.79	599.14						
Year	1926	1926	1926	1926	1926	1926	1926						
Mean for month - last 10 years	600.11	599.81	599.70	599.76	600.16	600.47	600.68						
Mean for month - since 1860	600.32	600.13	600.03	600.10	600.45	600.74	600.96						

LAKE HURON (at Goderich)

MEAN FOR MONTH	576.46	576.27	576.25	576.54	576.77	576.89	576.90						
HIGH LEVEL FOR MONTH	577.18	576.88	577.02	577.55	577.50	577.34	577.48						
Day and Hour	21/0318	2/1630	21/0932	4/0952	8/1430	6/1850	20/1055						
LOW LEVEL FOR MONTH	575.59	575.24	575.46	575.64	576.09	575.61	576.46						
Day and Hour	12/2158	1/2145	19/1018	19/1639	8/0744	10/1954	17/1432						
HIGHEST DAILY MEAN	576.83	576.56	576.74	576.98	577.09	577.17	577.06						
Day	14	3	21	4	22	12	29						
LOWEST DAILY MEAN	576.16	575.99	575.96	576.25	576.54	576.59	576.74						
Day	29	1	16	19	2	10	13						
Last year's mean for month	577.45	577.26	577.34	577.56	577.81	577.90	577.89						
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88	581.90						
Year	1886	1886	1886	1886	1886	1886	1876						
Min. mean for month since 1860	575.76	575.66	575.69	575.85	576.04	576.13	576.22						
Year	1934	1934	1934	1934	1934	1934	1934						
Mean for month - last 10 years	577.64	577.53	577.52	577.69	578.00	578.18	578.30						
Mean for month - since 1860	578.33	578.29	578.36	578.57	578.88	579.12	579.25						

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	569.47	568.98	569.26	569.91	570.01	569.99	569.78						
HIGH LEVEL FOR MONTH	572.79	569.76	571.05	572.11	571.11	571.86	571.76						
Day and Hour	20/2030	20/1626	6/1836	30/1637	18/0802	10/2318	14/2203						
LOW LEVEL FOR MONTH	567.93	568.55	568.17	568.44	568.89	569.13	569.05						
Day and Hour	11/1223	24/0209	5/1420	23/0329	10/1023	11/0423	14/1122						
HIGHEST DAILY MEAN	570.80	569.18	570.19	570.51	570.34	570.42	570.14						
Day	14	2	20	4	8	12	14						
LOWEST DAILY MEAN	568.37	568.86	568.47	569.59	569.61	569.80	569.58						
Day	11	28	5	1	10	30	13						
Last year's mean for month	569.94	569.45	569.73	570.24	570.27	570.29	570.32						
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.16						
Year	1863	1863	1863	1952	1862	1860	1862						
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.55	568.56	568.53						
Year	1935	1935	1934	1935	1934	1934	1934						
Mean for month - last 10 years	570.12	569.82	570.16	570.67	570.98	571.05	571.10						
Mean for month - since 1860	570.32	570.09	570.25	570.77	571.09	571.27	571.28						

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	243.92	243.39	243.27	244.43	245.31	245.72	245.63						
HIGH LEVEL FOR MONTH	244.54	244.00	243.93	245.22	246.15	246.04	246.03						
Day and Hour	20/2228	2/2208	30/1209	30/2024	21/2020	20/1932	15/0655						
LOW LEVEL FOR MONTH	243.36	243.00	242.32	243.59	244.43	244.97	245.30						
Day and Hour	11/1632	24/0347	19/2706	1/1049	10/1443	11/0050	20/0040						
HIGHEST DAILY MEAN	244.15	243.64	243.77	244.79	245.68	245.86	245.77						
Day	14	2	30	24	29	22	4						
LOWEST DAILY MEAN	243.62	243.19	242.97	243.73	244.88	245.62	245.52						
Day	31	28	11	1	1	2	31						
Last year's mean for month	242.38	243.11	243.26	244.29	245.03	245.32	245.16						
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76						
Year	1886	1886	1952	1952	1952	1952	1947						
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80						
Year	1935	1936	1935	1935	1935	1935	1934						
Mean for month - last 10 years	243.97	243.89	244.22	244.99	245.57	245.68	245.44						
Mean for month - since 1860	244.20	244.25	244.52	245.13	245.54	245.68	245.60						

MONTREAL HARBOUR (at King Edward Pier)

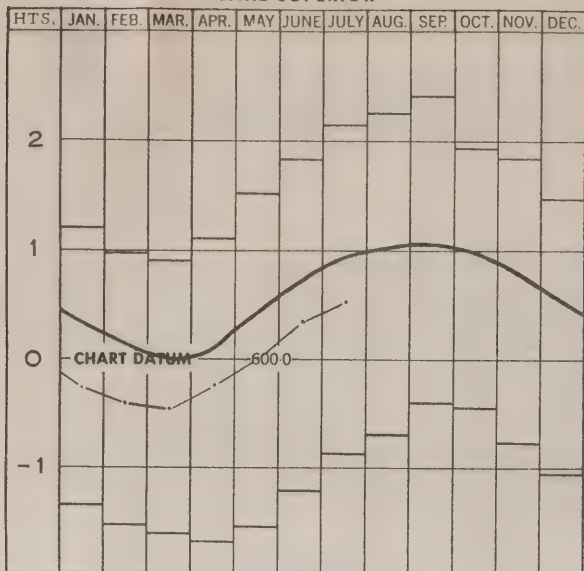
MEAN FOR MONTH	33.51	30.80	23.64	22.40	19.09	17.91	17.63						
HIGH LEVEL FOR MONTH	37.33	34.68	29.74	27.00	20.73	18.53	18.23						
Day and Hour	24/0026	1/0057	1/0003	5/1858	3/1125	7/1041	22/0842						
LOW LEVEL FOR MONTH	28.96	28.27	19.68	19.43	17.45	17.36	16.97						
Day and Hour	12/0741	17/0952	25/0344	30/0909	31/2147	30/2215	2/1523						
HIGHEST DAILY MEAN	37.32	34.33	29.36	26.76	20.57	18.33	18.07						
Day	23	1	1	5	3	7	21						
LOWEST DAILY MEAN	29.28	28.66	19.89	19.62	17.71	17.57	17.18						
Day	11	17	25	30	31	30	31						
Last year's mean for month	26.63	30.13	23.08	22.14	20.58	18.48	18.06						
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73	26.87						
Year	1886	1890	1890	1887	1876	1876	1861						
Min. mean for month since 1860	21.25	25.61	23.08	20.78	19.09	17.91	17.63						
Year	1932	1935	1962	1931	1963	1963	1963						
Mean for month - last 10 years	30.43	31.38	26.09	24.34	22.22	20.88	20.40						
Mean for month - since 1860	32.84	32.36	31.52	29.56	25.86	24.12	22.58						

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).

W.L. FORM - M173 - REV '61

THE REFERENCE ZERO FOR I G L D (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.

LAKE SUPERIOR



CANADA

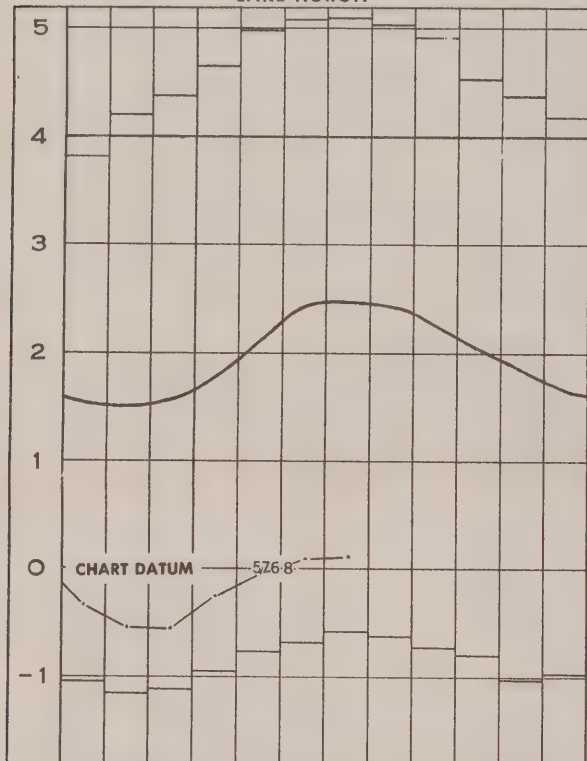
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

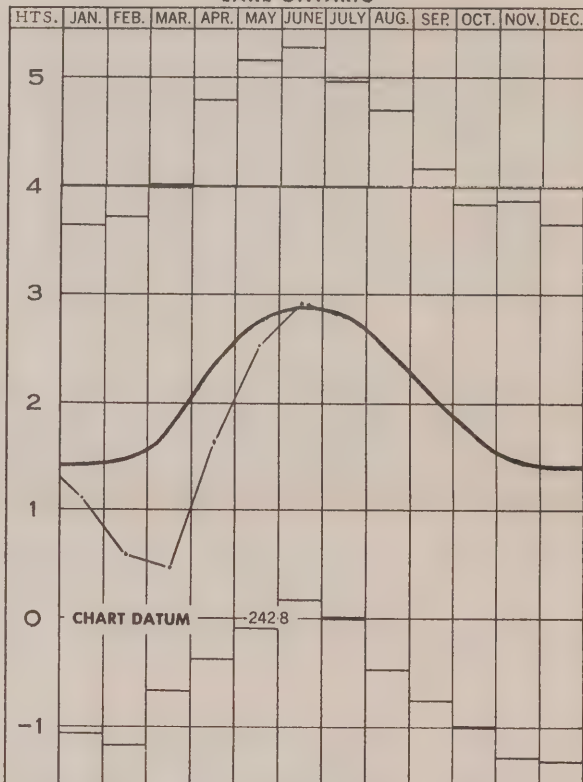
1963

Maximum	-----	PERIOD OF RECORD
Minimum	-----	
Mean	-----	
Mean	-----	
		MONTHLY

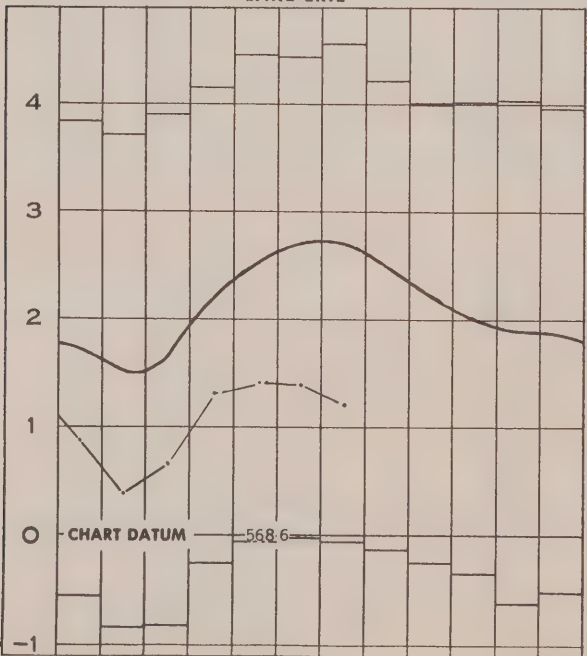
LAKE HURON



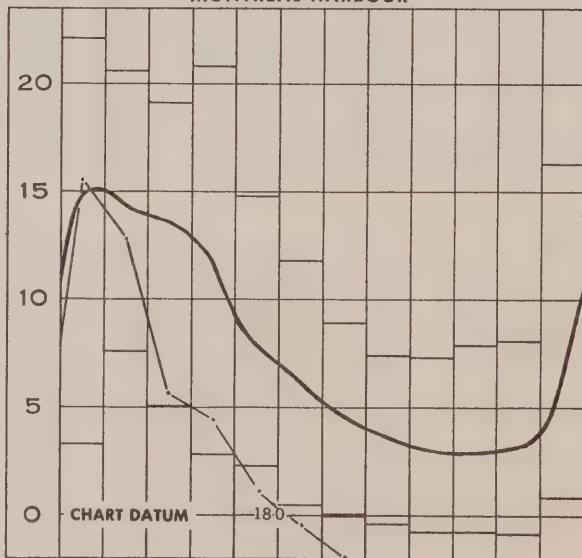
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.



WATER LEVEL BULLETIN GREAT LAKES AND MONTREAL HARBOUR

INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1963

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.74	599.60	599.55	599.76	600.00	600.34	600.52	600.58					
HIGH LEVEL FOR MONTH	600.25	600.17	600.06	600.35	600.47	601.16	601.11	601.10					
Day and Hour	17/108	1/1426	29/0322	3/1031	8/1007	26/0840	1/1253	3/0228					
LOW LEVEL FOR MONTH	599.28	599.18	599.09	599.12	599.34	599.62	600.00	600.16					
Day and Hour	18/0417	2/0706	17/0747	3/2258	8/0930	8/1311	1/1624	3/0212					
HIGHEST DAILY MEAN	599.96	599.81	599.70	599.89	600.08	600.58	600.60	600.65					
Day	1	1	20	16	23	30	27	27					
LOWEST DAILY MEAN	599.60	599.48	599.44	599.61	599.85	600.04	600.44	600.51					
Day	18	20	17	1	5	4	2	9					
Last year's mean for month	599.93	599.77	599.72	599.70	600.05	600.35	600.50	600.55					
Max. mean for month since 1850	601.21	600.99	600.92	601.12	601.53	601.84	602.16	602.27					
Year	1952	1952	1951	1951	1951	1916	1876	1876					
Min. mean for month since 1850	598.66	598.48	598.40	598.33	598.46	598.79	599.14	599.33					
Year	1926	1926	1926	1926	1926	1926	1926	1926					
Mean for month - last 10 years	600.11	599.81	599.70	599.76	600.16	600.47	600.68	600.73					
Mean for month - since 1850	600.32	600.13	600.03	600.10	600.45	600.74	600.96	601.04					

LAKE HURON (at Goderich)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	576.46	576.27	576.25	576.54	576.77	576.89	576.90	576.89					
HIGH LEVEL FOR MONTH	577.13	576.88	577.02	577.55	577.50	577.34	577.48	577.64					
Day and Hour	21/0313	2/1630	21/0932	4/0952	8/1430	6/1850	20/1055	13/1713					
LOW LEVEL FOR MONTH	575.59	575.24	575.46	575.64	576.09	575.61	576.46	576.25					
Day and Hour	12/2158	1/2145	19/1018	19/1639	8/0744	10/1954	17/1432	12/2348					
HIGHEST DAILY MEAN	576.83	576.56	576.74	576.98	577.09	577.17	577.06	577.13					
Day	14	3	21	4	22	12	29	4					
LOWEST DAILY MEAN	576.16	575.99	575.96	576.25	576.54	576.59	576.74	576.69					
Day	29	1	16	19	2	10	13	28					
Last year's mean for month	577.45	577.26	577.34	577.56	577.81	577.90	577.89	577.90					
Max. mean for month since 1850	580.91	580.98	581.17	581.46	581.79	581.88	581.90	581.84					
Year	1886	1886	1886	1886	1886	1886	1876	1876					
Min. mean for month since 1850	575.76	575.66	575.69	575.85	576.04	576.13	576.22	576.18					
Year	1934	1934	1934	1934	1934	1934	1934	1934					
Mean for month - last 10 years	577.64	577.53	577.52	577.69	578.00	578.18	578.30	577.97					
Mean for month - since 1850	578.33	578.29	578.36	578.57	578.88	579.12	579.25	579.20					

LAKE ERIE (at Port Colborne)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	569.47	568.98	569.26	569.91	570.01	569.99	569.78	569.62					
HIGH LEVEL FOR MONTH	572.79	569.76	571.05	572.11	571.11	571.86	571.76	571.10					
Day and Hour	20/2030	20/1626	6/1336	30/1637	18/0802	10/2318	14/2203	13/0655					
LOW LEVEL FOR MONTH	567.83	568.55	568.17	568.44	568.89	569.13	569.05	568.69					
Day and Hour	11/1223	24/0209	5/1420	23/0329	10/1023	11/0423	14/1122	14/0219					
HIGHEST DAILY MEAN	570.80	569.18	570.19	570.51	570.34	570.42	570.14	570.14					
Day	14	2	20	4	8	12	14	13					
LOWEST DAILY MEAN	568.37	568.86	568.47	569.59	569.61	569.80	569.58	569.17					
Day	11	28	5	1	10	30	13	25					
Last year's mean for month	569.94	569.45	569.73	570.24	570.27	570.29	570.32	570.16					
Max. mean for month since 1850	572.44	572.32	572.50	572.75	573.06	573.04	573.16	572.81					
Year	1863	1863	1863	1952	1862	1860	1862	1862					
Min. mean for month since 1850	568.03	567.75	567.76	568.34	568.55	568.56	568.53	568.46					
Year	1935	1935	1934	1935	1934	1934	1934	1934					
Mean for month - last 10 years	570.12	569.82	570.16	570.67	570.98	571.05	571.10	570.83					
Mean for month - since 1850	570.32	570.09	570.25	570.77	571.09	571.27	571.28	571.05					

LAKE ONTARIO (at Kingston)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	243.92	243.39	243.27	244.43	245.31	245.72	245.63	245.45					
HIGH LEVEL FOR MONTH	244.54	244.00	243.93	245.22	246.15	246.04	246.03	246.03					
Day and Hour	20/2228	2/2208	30/1200	30/2024	21/2020	20/1932	15/0655	4/0014					
LOW LEVEL FOR MONTH	243.36	243.00	242.32	243.59	244.43	244.97	245.30	245.03					
Day and Hour	11/1632	24/0347	19/2306	1/1049	10/1443	11/0050	20/0040	29/0212					
HIGHEST DAILY MEAN	244.15	243.64	243.77	244.79	245.68	245.86	245.77	245.66					
Day	14	30	24	24	29	22	4	4					
LOWEST DAILY MEAN	243.62	243.19	242.97	243.73	244.88	245.62	245.52	245.22					
Day	31	28	11	1	1	2	31	28					
Last year's mean for month	243.38	243.11	243.26	244.29	245.03	245.32	245.16	245.03					
Max. mean for month since 1850	246.43	246.50	246.79	247.61	247.96	248.07	247.76	247.51					
Year	1886	1886	1952	1952	1952	1952	1947	1947					
Min. mean for month since 1850	241.73	241.63	242.13	242.42	242.72	242.97	242.80	242.34					
Year	1935	1935	1935	1935	1935	1935	1934	1934					
Mean for month - last 10 years	243.97	243.89	244.22	244.99	245.57	245.68	245.44	245.04					
Mean for month - since 1850	244.20	244.25	244.52	245.13	245.54	245.68	245.60	245.28					

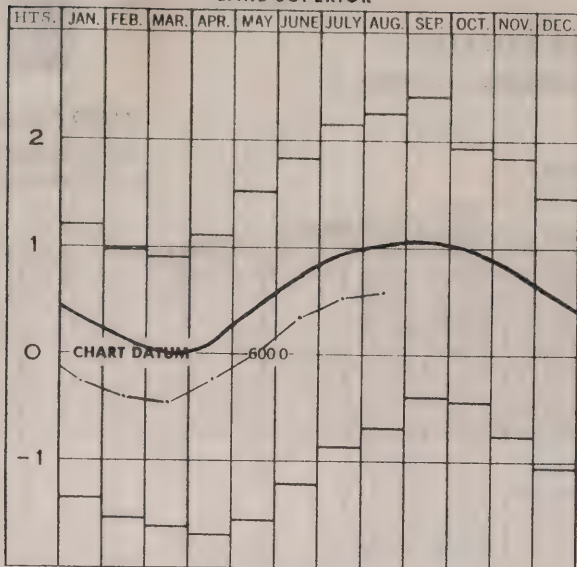
MONTREAL HARBOUR (at King Edward Pier)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	33.51	30.80	23.64	22.40	19.09	17.21	17.63	17.89					
HIGH LEVEL FOR MONTH	37.83	34.68	29.74	27.00	20.71	18.53	18.23	18.57					
Day and Hour	24/0026	1/0057	1/0003	5/1858	3/1125	7/1041	22/0842	25/1253					
LOW LEVEL FOR MONTH	28.96	28.27	19.68	19.43	17.45	17.36	16.97	17.13					
Day and Hour	12/0741	17/0952	25/0344	30/0909	21/2147	30/2215	2/1523	1/0214					
HIGHEST DAILY MEAN	37.32	34.33	29.36	26.76	20.57	18.33	18.07	18.38					
Day	23	1	1	5	3	7	21	25					
LOWEST DAILY MEAN	29.28	28.66	19.89	19.62	17.71	17.57	17.18	17.49					
Day	11	17	25	30	31	30	31	2					
Last year's mean for month	26.63	30.13	23.08	22.14	20.58	18.48	18.06	18.21					
Max. mean for month since 1850	40.14	38.66	37.12	38.84	32.79	29.73	26.87	25.39					
Year	1886	1890	1890	1887	1876	1876	1861	1861					
Min. mean for month since 1850	21.25	25.61	23.08	20.78	19.09	17.91	17.63	17.51					
Year	1932	1935	1962	1931	1963	1963	1963	1934					
Mean for month - last 10 years	30.43	31.38	26.09	24.34	22.22	20.88	20.40	19.67					
Mean for month - since 1850	32.84	32.36	31.52	29.56	25.86	24.12	22.58	21.60					

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).

THE REFERENCE ZERO FOR I G L D (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.

LAKE SUPERIOR



CANADA

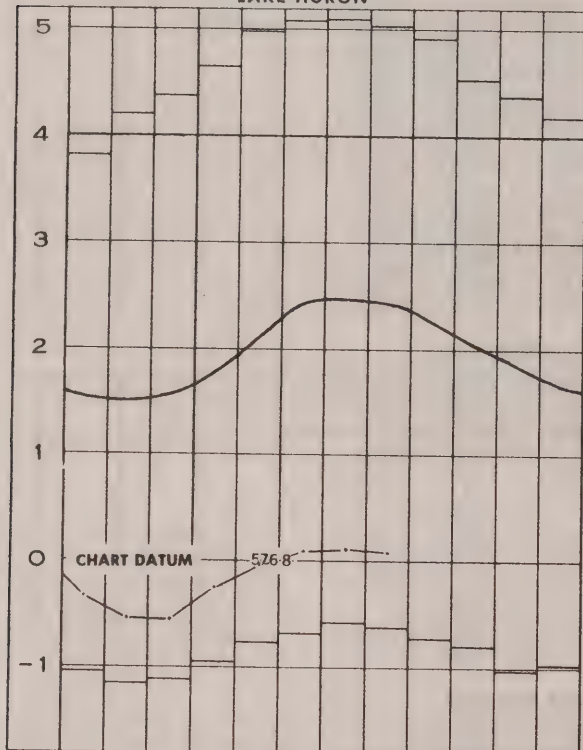
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

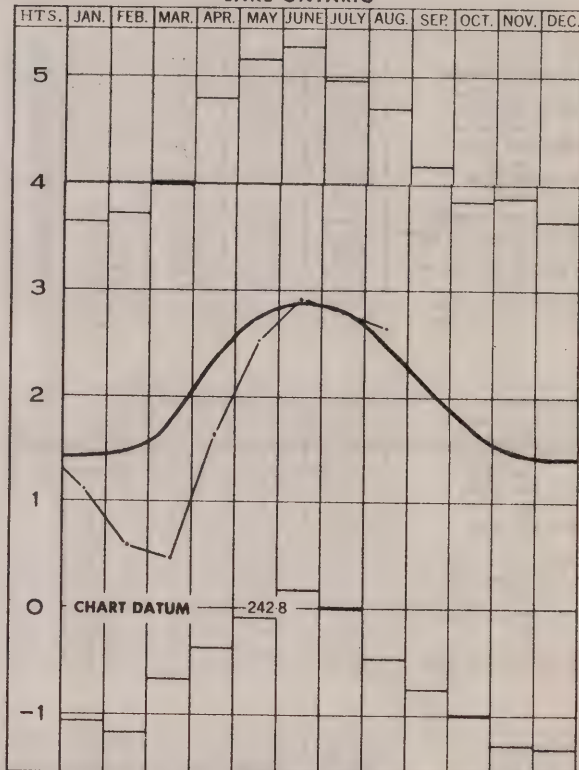
1963

Maximum	—————	PERIOD OF RECORD
Minimum	—————	
Mean	—————	
Mean	—————	
		MONTHLY

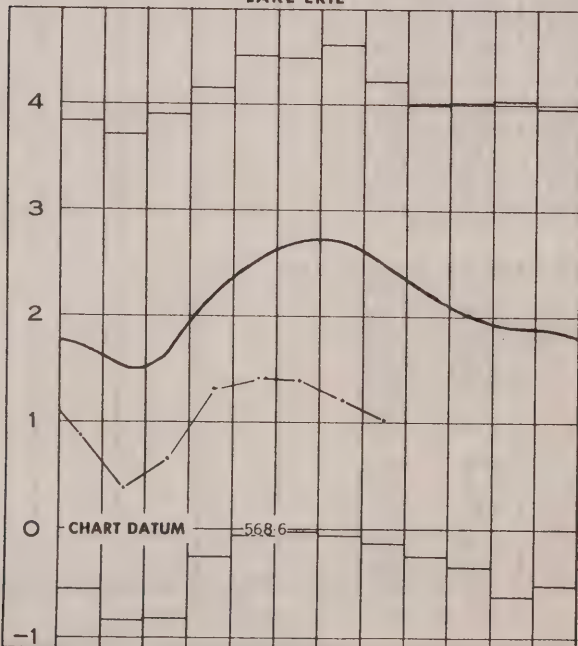
LAKE HURON



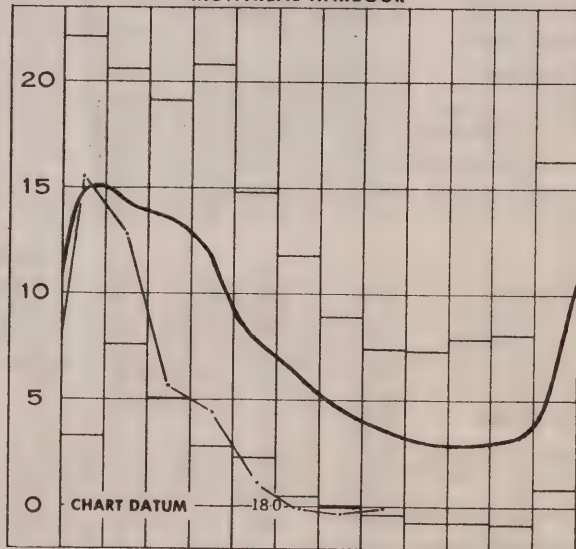
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.



WATER LEVEL BULLETIN
GREAT LAKES AND MONTREAL HARBOUR

INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1963

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.74	599.60	599.55	599.76	600.00	600.34	600.52	600.58	600.64				
HIGH LEVEL FOR MONTH	600.25 1/10/63	600.17 1/14/26	600.06 29/03/22	600.35 3/10/31	600.47 8/10/07	601.16 26/08/40	601.11 1/12/53	601.10 3/02/28	601.07 18/12/38				
Day and Hour													
LOW LEVEL FOR MONTH	599.28 18/04/17	599.18 2/07/06	599.09 17/02/17	599.12 3/22/58	599.34 8/09/30	599.62 8/13/11	600.00 1/16/24	600.16 3/02/12	600.12 18/16/17				
Day and Hour													
HIGHEST DAILY MEAN	599.96	599.81	599.70	599.89	600.08	600.58	600.60	600.65	600.75				
Day	1	1	29	16	23	30	27	24					
LOWEST DAILY MEAN	599.60	599.48	599.44	599.61	599.85	600.04	600.44	600.51	600.56				
Day	13	20	17	1	5	4	2	9	3				
Last year's mean for month	599.23	599.77	599.72	599.70	600.05	600.35	600.50	600.55	600.70				
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16	602.27	602.42				
Year	1952	1952	1951	1951	1951	1916	1876	1876	1869				
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46	598.79	599.14	599.33	599.62				
Year	1926	1926	1926	1926	1926	1926	1926	1926	1926				
Mean for month - last 10 years	600.11	599.81	599.70	599.76	600.16	600.47	600.68	600.73	600.79				
Mean for month - since 1860	600.32	600.13	600.03	600.10	600.45	600.74	600.96	601.04	601.08				

LAKE HURON (at Goderich)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	576.46	576.27	576.25	576.54	576.77	576.89	576.90	576.89	576.64				
HIGH LEVEL FOR MONTH	577.13 21/03/13	576.88 2/16/30	577.02 21/09/32	577.55 4/09/52	577.50 8/14/30	577.34 6/18/50	577.48 20/10/55	577.64 13/17/13	577.60 12/09/41				
Day and Hour													
LOW LEVEL FOR MONTH	575.59 12/21/58	575.24 1/21/45	575.46 19/10/18	575.64 13/16/39	576.09 8/07/44	575.61 10/19/54	576.46 17/14/32	576.25 12/23/48	575.86 29/00/25				
Day and Hour													
HIGHEST DAILY MEAN	576.93	576.56	576.74	576.98	577.09	577.17	577.06	577.13	576.87				
Day	14	3	17	4	22	12	29	1					
LOWEST DAILY MEAN	576.16	575.99	575.96	576.25	576.54	576.59	576.74	576.69	576.39				
Day	29	1	16	19	2	10	13	28	25				
Last year's mean for month	577.45	577.26	577.34	577.56	577.81	577.90	577.89	577.80	577.69				
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88	581.90	581.84	581.73				
Year	1286	1886	1886	1886	1886	1886	1876	1876	1876				
Min. mean for month since 1860	575.76	575.66	575.69	575.85	576.04	576.13	576.22	576.18	576.08				
Year	1934	1934	1934	1934	1934	1934	1934	1934	1934				
Mean for month - last 10 years	577.64	577.53	577.52	577.69	578.00	578.18	578.30	577.47	578.06				
Mean for month - since 1860	578.33	578.29	578.36	578.57	578.88	579.12	579.25	579.20	579.02				

LAKE ERIE (at Port Colborne)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	569.47	568.98	569.26	569.91	570.01	569.99	569.78	569.62	569.21				
HIGH LEVEL FOR MONTH	572.79 20/20/30	569.76 20/16/26	571.05 6/13/36	572.11 30/16/37	571.11 18/08/02	571.86 10/23/18	571.76 14/22/03	571.10 13/06/55	571.76 12/10/27				
Day and Hour													
LOW LEVEL FOR MONTH	567.93 11/12/23	568.55 24/02/09	568.17 5/12/20	568.44 23/03/29	568.89 10/10/23	569.13 11/04/23	569.05 14/11/22	568.69 14/02/19	567.26 12/19/49				
Day and Hour													
HIGHEST DAILY MEAN	570.80	569.18	570.19	570.51	570.74	570.42	570.14	570.14	569.65				
Day	14	2	20	4	8	12	14	13	3				
LOWEST DAILY MEAN	568.37	568.86	568.47	569.59	569.61	569.80	569.58	569.17	568.70				
Day	11	28	5	1	10	30	13	25	13				
Last year's mean for month	569.94	569.45	569.73	570.24	570.27	570.29	570.32	570.16	569.93				
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.16	572.81	572.58				
Year	1863	1863	1863	1952	1862	1860	1862	1862	1861				
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.53	568.56	568.53	568.46	568.35				
Year	1935	1935	1934	1935	1934	1934	1934	1934	1934				
Mean for month - last 10 years	570.12	569.82	570.16	570.67	570.98	571.05	571.10	570.83	570.53				
Mean for month - since 1860	570.32	570.09	570.25	570.77	571.09	571.27	571.28	571.05	570.79				

LAKE ONTARIO (at Kingston)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	243.92	243.39	243.27	244.43	245.31	245.72	245.63	245.45	244.81				
HIGH LEVEL FOR MONTH	244.54 20/22/28	244.00 2/22/08	243.93 30/12/09	245.22 30/20/24	246.15 21/20/20	246.04 20/19/32	246.03 15/06/55	246.03 4/00/14	245.72 12/13/56				
Day and Hour													
LOW LEVEL FOR MONTH	243.36 11/16/32	243.00 24/03/47	242.32 19/23/06	243.59 1/10/49	244.43 10/14/43	244.97 11/00/50	245.30 29/00/40	245.03 29/02/12	244.05 27/22/00				
Day and Hour													
HIGHEST DAILY MEAN	244.15	243.64	243.77	244.79	245.68	245.86	245.77	245.66	245.21				
Day	14	2	30	24	29	22	4	4	1				
LOWEST DAILY MEAN	243.62	243.19	242.97	243.73	244.88	245.62	245.52	245.22	244.45				
Day	31	28	11	1	1	2	31	28	28				
Last year's mean for month	243.38	243.11	243.26	244.29	245.03	245.32	245.16	245.03	244.69				
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76	247.51	247.51				
Year	1886	1886	1952	1952	1952	1952	1947	1947	1947				
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80	242.34	242.34				
Year	1935	1935	1935	1935	1935	1935	1934	1934	1934				
Mean for month - last 10 years	243.97	243.89	244.22	244.99	245.57	245.68	245.44	245.04	244.62				
Mean for month - since 1860	244.20	244.25	244.52	245.13	245.54	245.68	245.60	245.28	244.87				

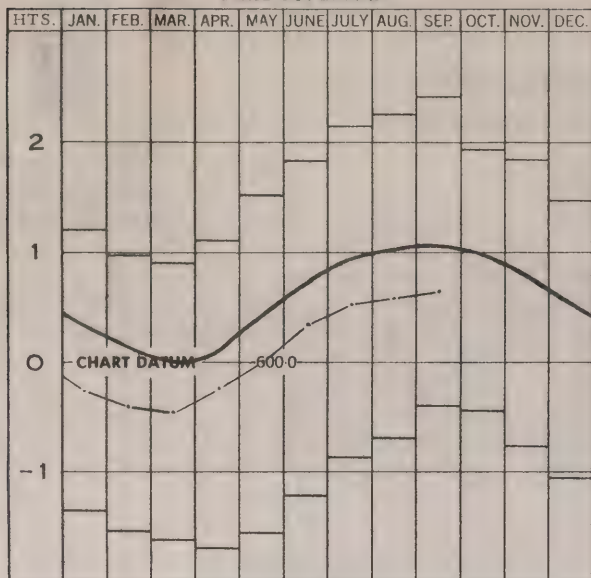
MONTREAL HARBOUR (at King Edward Pier)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	33.51	30.80	23.64	22.40	19.09	17.91	17.63	17.89	18.16				
HIGH LEVEL FOR MONTH	37.93 24/00/26	34.68 1/00/57	29.74 1/00/03	27.00 5/18/58	20.73 3/11/25	18.53 7/10/41	18.23 22/08/42	18.57 25/12/53	19.26 12/18/10				
Day and Hour													
LOW LEVEL FOR MONTH	28.96 12/07/41	28.27 17/09/52	19.68 25/03/44	19.43 30/09/09	17.45 31/21/47	17.36 30/22/15	16.97 2/15/23	17.13 1/02/14	12.41 26/17/09				
Day and Hour													
HIGHEST DAILY MEAN	37.32	34.33	29.36	26.76	20.57	18.33	18.07	18.38	19.07				
Day	23	1	1	5	3	7	21	25	14				
LOWEST DAILY MEAN	29.28	28.66	19.89	19.62	17.71	17.57	17.18	17.49	17.36				
Day	11	17	25	30	31	30	31	2	26				
Last year's mean for month	26.63	30.13	23.08	22.14	20.58	18.48	18.06	18.21	17.95				
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73	26.87	25.39	25.38				
Year	1886	1890	1890	1887	1876	1876	1861	1861	1869				
Min. mean for month since 1860	21.25	25.61	23.08	20.78	19.09	17.91	17.63	17.51	17.22				
Year	1932	1935	1962	1931	1963	1963	1963	1934	1934				
Mean for month - last 10 years	30.43	31.38	26.00	24.34	22.22	20.88	20.40	19.67	19.42				
Mean for month - since 1860	32.84	32.36	31.52	29.56	25.86	24.12	22.58	21.60	21.01				

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).

THE REFERENCE ZERO FOR I G L D (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.

LAKE SUPERIOR



CANADA

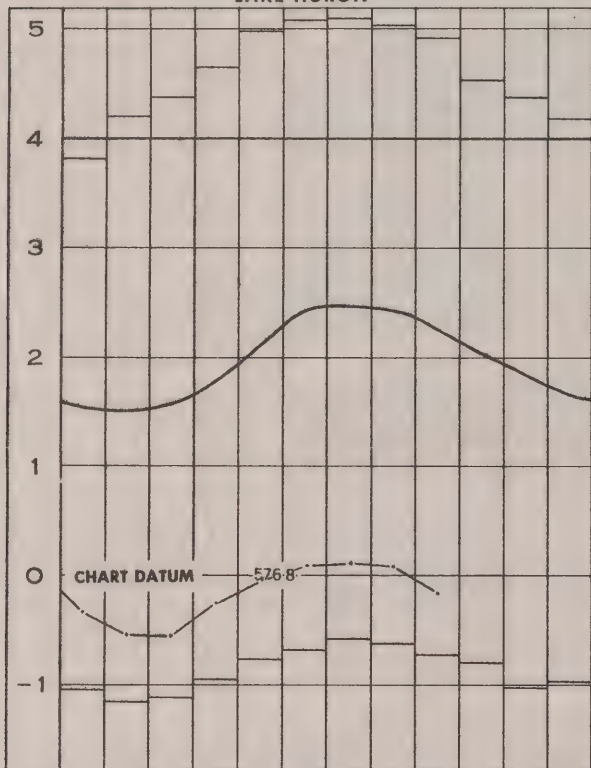
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

1963

Maximum	_____	PERIOD OF RECORD MONTHLY
Minimum	_____	
Mean	_____	
Mean	_____	

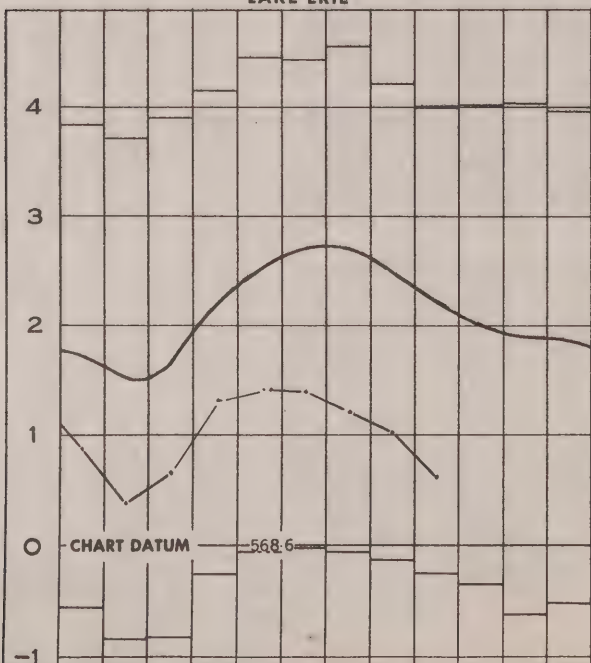
LAKE HURON



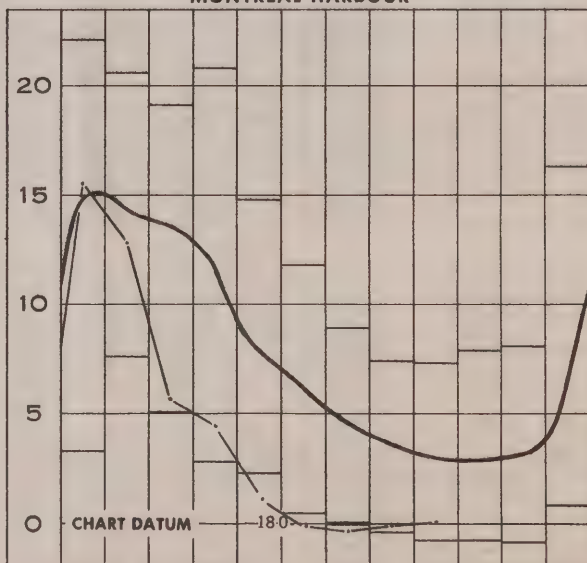
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.



WATER LEVEL BULLETIN
GREAT LAKES AND MONTREAL HARBOUR

INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1963

LAKE SUPERIOR (at Port Arthur)

	JAN	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV	DEC.	MEAN
MEAN FOR MONTH	599.74	599.60	599.55	599.76	600.00	600.34	600.52	600.58	600.64	600.54			
HIGH LEVEL FOR MONTH	600.25	600.17	600.06	600.35	600.47	601.16	601.11	601.16	601.07	600.94			
Day and Hour	1/6103	1/1426	20/0322	3/1031	8/1007	26/0840	1/1253	3/0228	18/1738	1/1735			
LOW LEVEL FOR MONTH	599.28	599.18	599.00	599.12	599.34	599.62	600.00	600.16	600.12	600.11			
Day and Hour	13/0417	2/0706	17/0247	3/2258	8/0930	8/1111	1/1624	3/0212	18/1617	31/1910			
HIGHEST DAILY MEAN	599.96	599.81	599.70	599.89	600.08	600.58	600.60	600.65	600.75	600.68			
Day	1	1	29	16	23	30	27	27	24	1			
LOWEST DAILY MEAN	599.60	599.48	599.44	599.61	599.85	600.04	600.44	600.61	600.56	600.41			
Day	13	30	17	1	5	4	2	9	3	31			
Last year's mean for month	599.23	599.77	599.72	599.70	600.05	600.35	600.50	600.55	600.70	600.60			
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16	602.27	602.42	601.94			
Year	1952	1952	1951	1951	1951	1916	1876	1876	1869	1916			
Min. mean for month since 1860	598.56	598.48	598.40	598.33	598.46	598.79	599.14	599.33	599.62	599.57			
Year	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925			
Mean for month - last 10 years	600.11	599.81	599.70	599.76	600.16	600.37	600.68	600.73	600.79	600.69			
Mean for month - since 1860	600.32	600.13	600.03	600.10	600.45	600.74	600.96	601.04	601.08	601.00			

LAKE HURON (at Goderich)

MEAN FOR MONTH	576.46	576.27	576.25	576.54	576.77	576.89	576.90	576.89	576.64	576.41			
HIGH LEVEL FOR MONTH	577.13	576.88	577.02	577.55	577.50	577.34	577.48	577.64	577.60	577.25			
Day and Hour	21/0313	2/1430	21/0932	4/0952	8/1430	6/1050	20/1055	13/1213	12/0941	2/2257			
LOW LEVEL FOR MONTH	575.59	575.24	575.46	575.64	576.09	575.61	576.46	576.25	575.86	575.80			
Day and Hour	12/2152	1/2145	19/1913	13/1639	8/0744	10/1954	17/1432	12/0348	29/0025	22/0846			
HIGHEST DAILY MEAN	576.83	576.56	576.74	576.98	577.09	577.17	577.06	577.13	576.87	576.84			
Day	14	3	21	4	22	12	29	4	1	3			
LOWEST DAILY MEAN	576.16	575.99	575.96	576.25	576.54	576.59	576.74	576.69	576.39	576.07			
Day	29	1	16	19	2	10	13	28	25	22			
Last year's mean for month	577.45	577.26	577.34	577.56	577.81	577.90	577.89	577.80	577.69	577.38			
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88	581.90	581.84	581.73	581.33			
Year	1246	1886	1886	1886	1886	1886	1876	1876	1876	1876			
Min. mean for month since 1860	575.76	575.66	575.69	575.85	576.04	576.13	576.22	576.18	576.08	576.01			
Year	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934			
Mean for month - last 10 years	577.64	577.53	577.52	577.69	578.00	578.18	578.30	577.47	578.06	577.86			
Mean for month - since 1860	578.33	578.29	578.36	578.52	578.88	579.12	579.25	579.20	579.02	578.81			

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	569.47	568.98	569.26	569.91	570.01	569.29	569.78	569.62	569.21	569.00			
HIGH LEVEL FOR MONTH	572.79	569.76	571.05	572.11	571.11	571.86	571.76	571.60	571.76	570.54			
Day and Hour	20/2030	20/1626	6/1336	30/1637	18/0802	10/2318	14/2203	13/0655	12/1027	3/1426			
LOW LEVEL FOR MONTH	567.93	568.55	568.17	568.44	568.89	569.13	569.05	568.60	567.26	568.02			
Day and Hour	11/1223	24/0209	5/1420	23/0329	10/1023	11/0423	14/1122	14/0219	12/1949	21/2330			
HIGHEST DAILY MEAN	570.80	569.18	570.19	570.51	570.34	570.42	570.14	570.14	569.65	569.42			
Day	14	2	20	4	8	12	14	13	2	7			
LOWEST DAILY MEAN	568.37	568.86	568.47	569.59	569.61	569.80	569.58	569.17	568.70	568.45			
Day	11	28	5	1	1	30	13	25	13	21			
Last year's mean for month	569.94	569.45	569.73	570.24	570.27	570.29	570.32	570.16	569.93	569.92			
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.12	572.81	572.58	572.63			
Year	1863	1863	1863	1952	1862	1860	1862	1862	1861	1861			
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.55	568.56	568.53	568.46	568.35	568.24			
Year	1935	1935	1934	1935	1934	1934	1934	1934	1934	1934			
Mean for month - last 10 years	570.12	569.82	570.16	570.67	570.98	571.05	571.10	570.83	570.53	570.28			
Mean for month - since 1860	570.32	570.09	570.25	570.77	571.09	571.27	571.28	571.05	570.79	570.57			

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	243.92	243.39	243.27	244.43	245.31	245.72	245.63	245.45	244.81	244.13			
HIGH LEVEL FOR MONTH	244.54	244.00	243.93	245.22	246.15	246.04	246.03	246.03	245.72	244.83			
Day and Hour	20/2228	2/2208	30/1209	30/2024	21/2020	20/1932	15/0655	4/0014	12/1356	3/0703			
LOW LEVEL FOR MONTH	243.36	243.00	242.32	243.59	244.43	244.97	245.30	245.03	244.05	243.44			
Day and Hour	11/1632	24/0347	19/2206	1/1049	10/1443	11/0050	20/0040	29/0212	27/2200	29/2032			
HIGHEST DAILY MEAN	244.15	243.64	243.77	244.79	245.68	245.86	245.77	245.66	245.21	244.48			
Day	14	2	30	24	29	22	4	4	1	1			
LOWEST DAILY MEAN	243.52	243.19	242.97	243.73	244.88	245.62	245.52	245.22	244.45	243.65			
Day	31	28	11	1	1	2	31	28	28	29			
Last year's mean for month	243.39	243.11	243.26	244.29	245.03	245.32	245.16	245.03	244.69	244.51			
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76	247.51	246.95	246.64			
Year	1886	1886	1952	1952	1952	1952	1947	1947	1947	1861			
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80	242.74	242.05	241.79			
Year	1935	1936	1935	1935	1935	1935	1934	1934	1934	1934			
Mean for month - last 10 years	243.97	243.89	244.22	244.99	245.57	245.68	245.44	245.04	244.62	244.25			
Mean for month - since 1860	244.20	244.25	244.52	245.13	245.54	245.68	245.60	245.28	244.87	244.51			

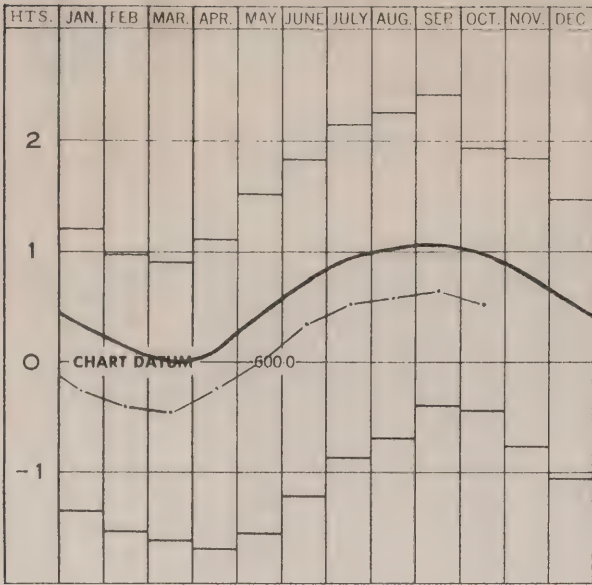
MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	33.51	30.80	23.64	22.40	19.09	17.91	17.63	17.89	18.16	17.84			
HIGH LEVEL FOR MONTH	37.33	34.68	29.74	27.00	20.73	18.53	18.23	18.57	19.26	18.84			
Day and Hour	24/0026	1/0957	1/0003	5/1858	3/1125	7/1041	22/0842	25/1253	12/1810	4/0943			
LOW LEVEL FOR MONTH	28.96	28.27	10.68	19.43	17.45	17.36	16.97	17.13	17.09	16.74			
Day and Hour	12/0741	17/0952	25/0344	30/0909	31/2147	30/2215	2/1523	1/0214	26/1241	14/1215			
HIGHEST DAILY MEAN	37.32	34.33	29.36	26.76	20.57	18.33	18.07	18.38	19.07	18.62			
Day	23	1	1	5	3	7	21	25	14	4			
LOWEST DAILY MEAN	29.28	28.66	10.89	19.62	17.71	17.57	17.18	17.49	17.36	17.08			
Day	11	17	25	30	31	30	31	2	26	14			
Last year's mean for month	26.63	30.13	23.08	22.14	20.58	18.48	18.06	18.21	17.95	18.07			
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73	26.87	25.39	25.38	25.82			
Year	1886	1890	1890	1887	1876	1876	1861	1861	1869	1861			
Min. mean for month since 1860	21.25	25.61	23.08	20.78	19.09	17.91	17.63	17.51	17.22	17.21			
Year	1932	1935	1962	1931	1963	1963	1963	1934	1934	1934			
Mean for month - last 10 years	30.43	31.38	26.09	24.34	22.22	20.88	20.40	19.67	19.42	19.32			
Mean for month - since 1860	32.84	32.36	31.52	29.56	25.86	24.12	22.58	21.60	21.01	20.88			
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).

THE REFERENCE ZERO FOR I G L D (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.

LAKE SUPERIOR



CANADA

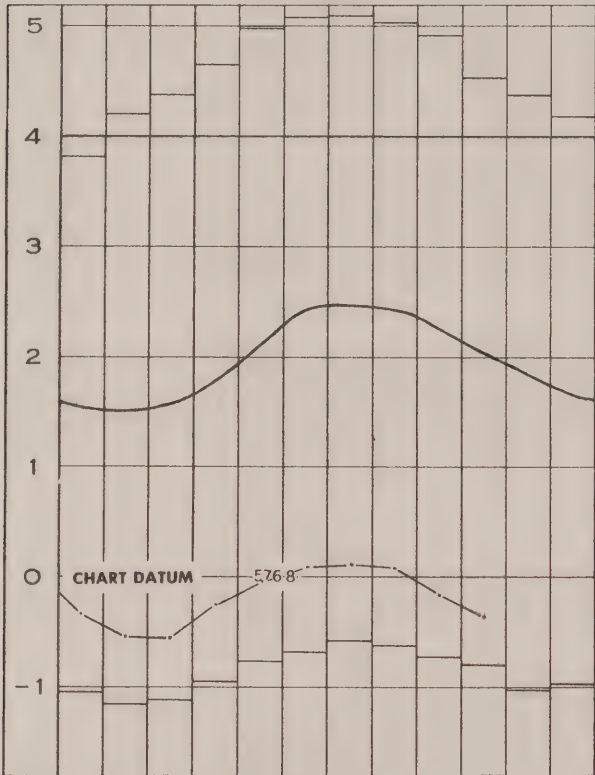
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

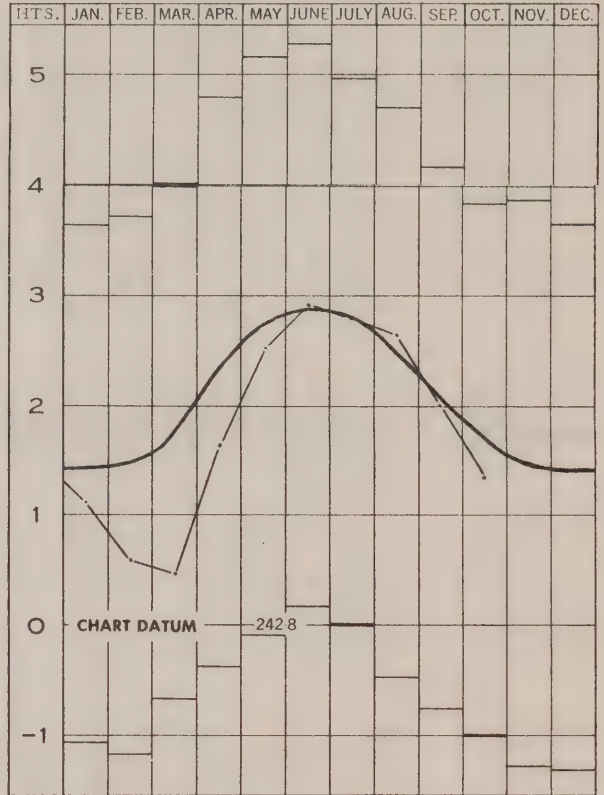
1963

Maximum	-----	PERIOD OF RECORD
Minimum	-----	
Mean	-----	
Mean	-----	
		MONTHLY

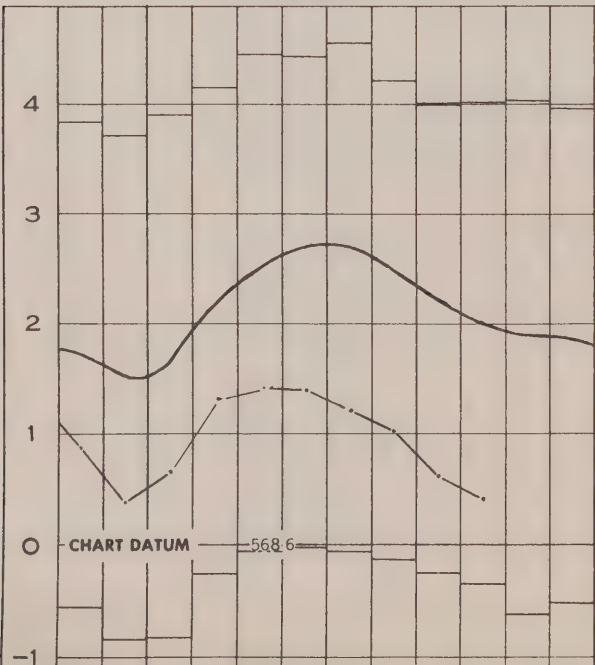
LAKE HURON



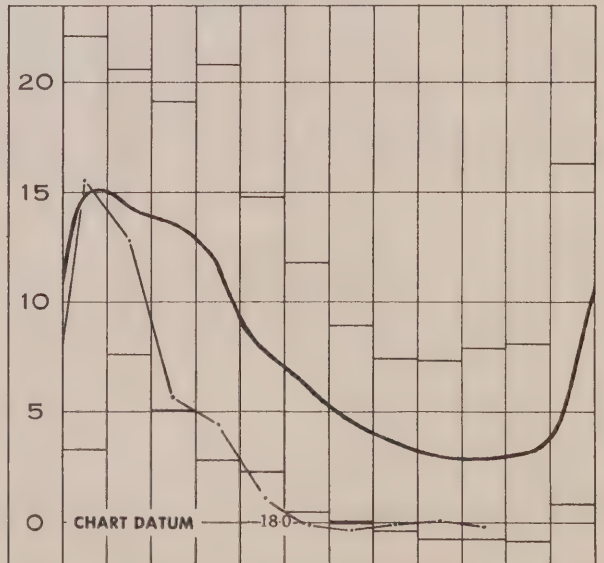
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.

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DEC 10 1963

1963

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.74	599.60	599.55	599.76	600.00	600.34	600.52	600.58	600.64	600.54	600.27		
HIGH LEVEL FOR MONTH	600.25	600.17	600.06	600.35	600.47	601.16	601.11	601.10	601.07	600.94	600.84		
Day and Hour	1/0108	1/1426	29/0322	3/1031	8/1007	26/0840	1/1253	3/0228	18/1738	1/1735	22/0911		
LOW LEVEL FOR MONTH	599.28	599.18	599.09	599.12	599.34	599.62	600.00	600.16	600.12	600.11	599.62		
Day and Hour	13/0417	2/0706	17/0947	3/2258	8/0930	8/1311	1/1624	3/0212	18/1617	31/1910	23/0219		
HIGHEST DAILY MEAN	599.96	599.81	599.70	599.89	600.08	600.58	600.60	600.65	600.75	600.68	600.43		
Day	1	1	29	16	23	30	27	24	24	1	3		
LOWEST DAILY MEAN	599.60	599.48	599.44	599.61	599.85	600.04	600.44	600.51	600.56	600.41	599.99		
Day	18	20	17	1	5	4	2	9	3	31	23		
Last year's mean for month	599.93	599.77	599.72	599.70	600.05	600.35	600.50	600.55	600.70	600.60	600.32		
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16	602.27	602.42	601.94	601.85		
Year	1952	1952	1951	1951	1951	1916	1876	1876	1869	1916	1900		
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46	598.79	599.14	599.33	599.62	599.57	599.24		
Year	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925	1925		
Mean for month - last 10 years	600.11	599.81	599.70	599.76	600.16	600.47	600.68	600.73	600.79	600.69	600.50		
Mean for month - since 1860	600.32	600.13	600.03	600.10	600.45	600.74	600.96	601.04	601.08	601.00	600.82		

LAKE HURON (at Goderich)

MEAN FOR MONTH	576.46	576.27	576.25	576.54	576.77	576.89	576.90	576.89	576.64	576.41	576.22		
HIGH LEVEL FOR MONTH	577.13	576.88	577.02	577.55	577.50	577.34	577.48	577.64	577.60	577.25	577.19		
Day and Hour	21/0313	2/1630	21/0932	4/0952	8/1430	6/1850	20/1055	13/1713	12/0941	2/2257	2/1126		
LOW LEVEL FOR MONTH	575.59	575.24	575.46	575.64	576.09	575.61	576.46	576.25	575.86	575.80	575.17		
Day and Hour	12/2158	1/2145	19/1018	19/1639	8/0744	10/1954	17/1432	12/2348	29/0025	22/0846	23/0402		
HIGHEST DAILY MEAN	576.83	576.56	576.74	576.98	577.09	577.17	577.06	577.13	576.87	576.84	576.72		
Day	14	3	21	4	22	12	29	4	1	3	2		
LOWEST DAILY MEAN	576.16	575.99	575.96	576.25	576.54	576.59	576.74	576.69	576.39	576.27	575.96		
Day	29	1	16	19	2	10	13	28	25	22	21		
Last year's mean for month	577.45	577.26	577.34	577.56	577.81	577.90	577.89	577.80	577.69	577.38	576.95		
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.08	581.90	581.84	581.73	581.33	581.18		
Year	1986	1886	1886	1886	1886	1886	1876	1876	1876	1876	1876		
Min. mean for month since 1860	575.76	575.66	575.69	575.85	576.04	576.13	576.22	576.18	576.08	576.01	575.77		
Year	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934		
Mean for month - last 10 years	577.62	577.53	577.52	577.69	578.00	578.18	578.30	578.24	578.06	577.86	577.70		
Mean for month - since 1860	578.33	578.29	578.36	578.57	578.88	579.12	579.25	579.20	579.02	578.81	578.61		

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	569.47	568.98	569.26	569.91	570.01	569.99	569.78	569.62	569.21	569.00	569.08		
HIGH LEVEL FOR MONTH	572.79	569.76	571.05	572.11	571.11	571.86	571.76	571.10	571.76	570.54	572.16		
Day and Hour	20/2030	20/1626	6/1336	30/1637	18/0802	10/2318	14/2203	13/0655	12/1027	3/1426	23/0938		
LOW LEVEL FOR MONTH	567.83	568.55	568.17	568.44	568.89	569.13	569.05	568.69	567.26	568.02	567.96		
Day and Hour	11/1223	24/0209	5/1420	23/0329	10/1023	11/0423	14/1122	14/0219	12/1949	21/2330	27/1617		
HIGHEST DAILY MEAN	570.80	569.18	570.19	570.51	570.34	570.42	570.14	570.14	569.65	569.42	569.74		
Day	14	2	20	4	8	12	14	13	3	7	23		
LOWEST DAILY MEAN	568.37	568.86	568.47	569.59	569.61	569.80	569.58	569.17	568.70	568.45	568.47		
Day	11	28	5	1	10	30	13	25	13	21	7		
Last year's mean for month	569.94	569.45	569.73	570.24	570.27	570.29	570.32	570.16	569.93	569.92	569.60		
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.16	572.81	572.58	572.63	572.64		
Year	1863	1863	1863	1952	1862	1860	1862	1862	1861	1861	1861		
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.55	568.56	568.53	568.46	568.35	568.24	567.97		
Year	1935	1935	1934	1935	1934	1934	1934	1934	1934	1934	1934		
Mean for month - last 10 years	570.05	569.75	570.09	570.60	570.91	570.98	570.93	570.76	570.46	570.22	570.16		
Mean for month - since 1860	570.32	570.09	570.25	570.77	571.09	571.27	571.28	571.05	570.79	570.57	570.47		

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	243.92	243.39	243.27	244.43	245.31	245.72	245.63	245.45	244.81	244.13	243.61		
HIGH LEVEL FOR MONTH	244.54	244.00	243.93	245.22	246.15	246.04	246.03	246.03	245.72	244.83	244.42		
Day and Hour	20/2228	2/2208	30/1209	30/2024	21/2020	20/1932	15/0655	4/0014	12/1356	3/0703	23/1032		
LOW LEVEL FOR MONTH	243.36	243.00	242.32	244.43	244.97	245.30	245.03	244.05	243.44	243.19	243.19		
Day and Hour	11/1632	24/0347	19/2306	1/1049	10/1443	11/0050	20/0040	29/0212	27/2200	29/2032	27/2318		
HIGHEST DAILY MEAN	244.15	243.64	243.77	244.79	245.68	245.22	245.77	245.66	245.21	244.48	243.77		
Day	14	2	30	24	29	22	4	4	1	1	4		
LOWEST DAILY MEAN	243.62	243.19	242.97	243.73	244.88	245.62	245.52	245.22	244.45	243.65	243.38		
Day	31	28	11	7	2	2	31	28	28	7	7		
Last year's mean for month	243.39	243.11	243.26	244.29	245.03	245.32	245.16	245.03	244.69	244.51	244.24		
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76	247.51	246.95	246.64	246.65		
Year	1886	1886	1952	1952	1952	1952	1947	1947	1947	1861	1861		
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80	242.34	242.05	241.79	241.52		
Year	1935	1936	1935	1935	1935	1935	1934	1934	1934	1934	1934		
Mean for month - last 10 years	243.97	243.89	244.22	244.99	245.57	245.68	245.44	245.04	244.62	244.25	244.06		
Mean for month - since 1860	244.20	244.25	244.52	245.13	245.54	245.68	245.60	245.28	244.87	244.51	244.27		

MONTREAL HARBOUR (at King Edward Pier)

MEAN FOR MONTH	33.51	30.80	23.64	22.40	19.09	17.91	17.63	17.89	18.16	17.84	18.81		
HIGH LEVEL FOR MONTH	37.83	34.68	29.74	27.00	20.73	18.53	18.23	18.57	19.26	18.84	21.11		
Day and Hour	24/0026	1/0057	1/0003	5/1858	3/1125	7/1041	22/0842	25/1253	12/1810	4/0943	9/1243		
LOW LEVEL FOR MONTH	28.96	28.27	19.68	19.43	17.45	17.36	16.97	17.13	17.09	16.74	17.39		
Day and Hour	12/0741	17/0952	25/0344	30/0909	31/2147	30/2215	2/1523	1/0214	26/1241	14/1215	27/1032		
HIGHEST DAILY MEAN	37.32	34.33	29.36	26.76	20.57	18.33	18.07	18.38	19.07	18.62	20.85		
Day	23	1	1	5	3	7	21	25	14	4	9		
LOWEST DAILY MEAN	29.28	28.66	19.89	19.62	17.71	17.57	17.18	17.49	17.36	17.08	17.56		
Day	11	17	25	30	31	30	31	2	26	14	26		
Last year's mean for month	26.63	30.13	23.08	22.14	20.58	18.48	18.06	18.21	17.95	18.07	18.47		
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73	26.87	25.39	25.38	25.82	26.05		
Year	1886	1890	1890	1887	1876	1876	1861	1861	1869	1861	1861		
Min. mean for month since 1860	21.25	25.61	23.08	20.78	19.09	17.91	17.63	17.51	17.22	17.21	17.07		
Year	1932	1935	1962	1931	1963	1963	1963	1934	1934	1934	1934		
Mean for month - last 10 years	30.43	31.38	26.07	24.34	22.22	20.88	20.40	19.67	19.42	19.32	19.52		
Mean for month - since 1860	32.84	32.36	31.52	29.56	25.86	24.12	22.58	21.60	21.01	20.88	21.12		

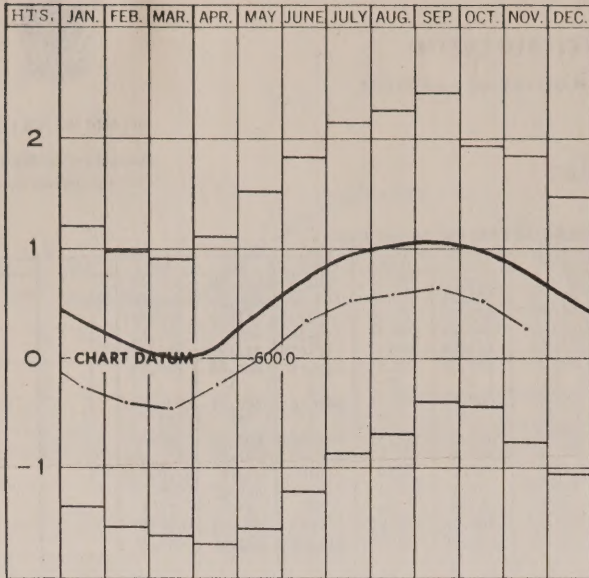
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
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ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).

THE REFERENCE ZERO FOR I G L D (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.

W.L. FORM M-173 - REV '61

LAKE SUPERIOR



CANADA

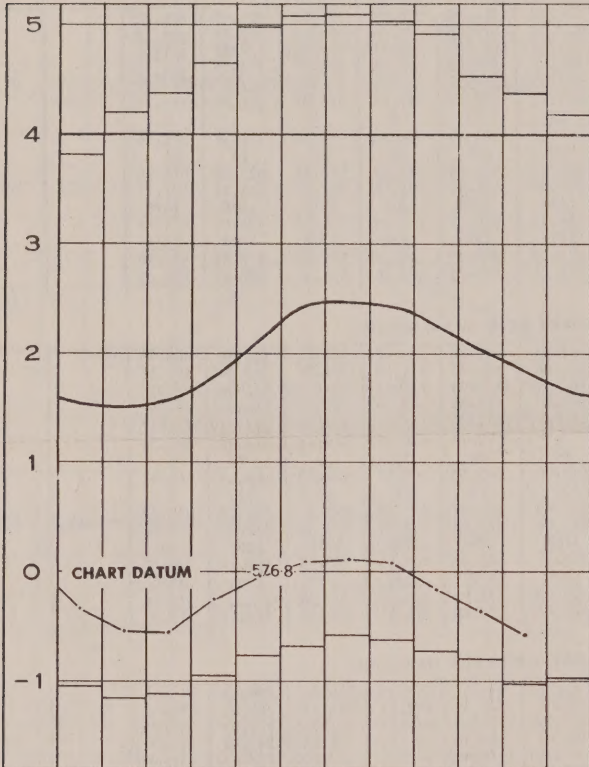
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

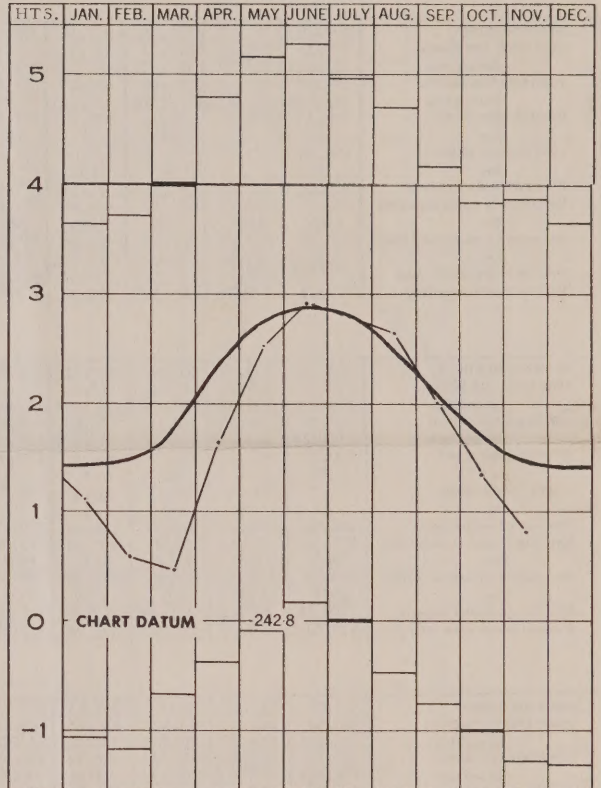
1963

Maximum	_____	PERIOD OF RECORD
Minimum	_____	
Mean	_____	
Mean	_____	
		MONTHLY

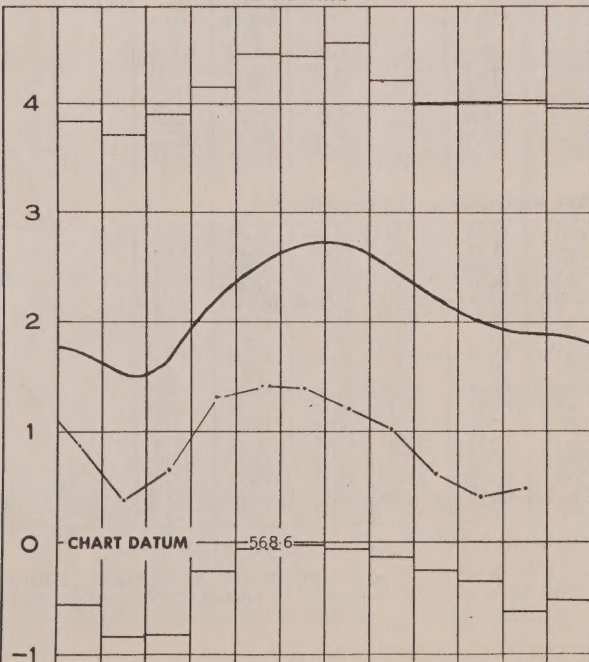
LAKE HURON



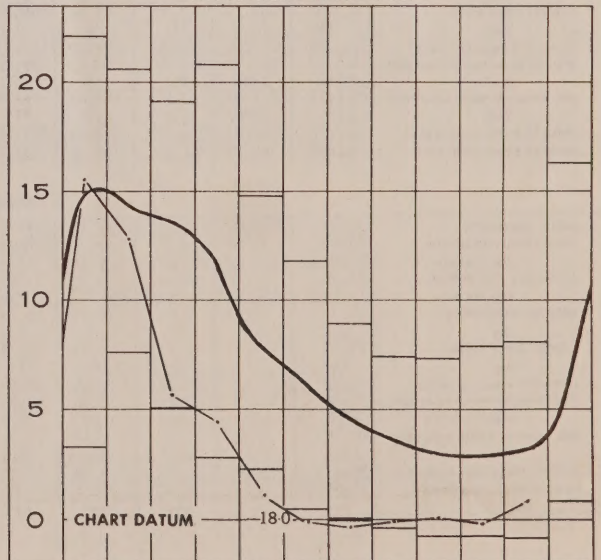
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR

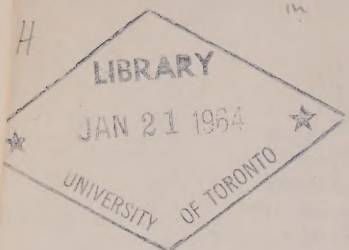


HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.

Gov. Doc
Can

Canada Hydrographic & Map Service

FCI MED. DIV.
506



WATER LEVELS BULLETIN for the
GREAT LAKES AND (MONTREAL HARBOUR)
St. Lawrence River.



INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1963

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.74	599.60	599.55	599.76	600.00	600.34	600.52	600.58	600.64	600.54	600.27	600.06	600.13
HIGH LEVEL FOR MONTH	600.25	600.17	600.06	600.35	600.47	601.16	601.11	601.10	601.07	600.94	600.84	600.53	
Day and Hour	1/1008	1/1426	29/0302	3/1031	8/1007	26/0840	1/1253	3/0228	18/1738	1/1735	22/0911	13/0517	
LOW LEVEL FOR MONTH	599.28	599.18	599.09	599.12	599.34	599.62	600.00	600.16	600.12	600.11	599.62	599.58	
Day and Hour	18/0417	2/0706	17/0347	3/2258	8/0930	8/1311	1/1624	3/0212	18/1617	31/1910	23/0219	18/2313	
HIGHEST DAILY MEAN	599.96	599.81	599.70	599.89	600.08	600.58	600.60	600.65	600.75	600.68	600.43	600.27	
Day	1	1	29	16	23	30	27	24	24	1	3	13	
LOWEST DAILY MEAN	599.60	599.48	599.44	599.61	599.85	600.04	600.44	600.51	600.56	600.41	599.99	599.87	
Day	18	20	17	1	5	4	2	9	3	31	23	29	
Last year's mean for month	599.93	599.77	599.72	599.70	600.05	600.35	600.50	600.55	600.70	600.60	600.32	600.01	600.18
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16	602.27	602.42	601.94	601.85	601.47	
Year	1952	1952	1951	1951	1951	1916	1876	1876	1869	1916	1900	1900	
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46	598.79	599.14	599.33	599.62	599.57	599.24	598.95	
Year	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925	1925	1925	
Mean for month - last 10 years	600.11	599.81	599.70	599.76	600.16	600.47	600.68	600.73	600.79	600.69	600.50	600.26	600.30
Mean for month - since 1860	600.32	600.13	600.03	600.10	600.45	600.74	600.96	601.04	601.08	601.00	600.82	600.56	600.61

LAKE HURON (at Goderich)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	576.46	576.27	576.25	576.54	576.77	576.89	576.90	576.89	576.64	576.41	576.22	575.92	576.51
HIGH LEVEL FOR MONTH	577.18	576.88	577.02	577.55	577.50	577.34	577.48	577.64	577.60	577.25	577.19	576.89	
Day and Hour	21/0318	2/1630	21/0932	4/0952	8/1430	6/1850	20/1055	13/1713	12/0941	2/2257	2/1126	18/1510	
LOW LEVEL FOR MONTH	575.59	575.24	575.46	575.64	576.09	575.61	576.46	576.25	575.86	575.80	575.17	575.21	
Day and Hour	12/2158	1/2145	19/1918	19/1639	8/0744	10/1954	17/1432	12/2348	29/0025	22/0846	23/0402	27/0324	
HIGHEST DAILY MEAN	576.83	576.56	576.74	576.98	577.09	577.17	577.06	577.13	576.87	576.84	576.72	576.39	
Day	14	3	21	4	22	12	29	4	1	3	2	20	
LOWEST DAILY MEAN	576.16	575.99	575.96	576.25	576.54	576.59	576.74	576.69	576.39	576.07	575.96	575.51	
Day	29	1	16	19	2	10	13	28	25	22	21	8	
Last year's mean for month	577.45	577.26	577.34	577.56	577.81	577.90	577.89	577.80	577.69	577.38	576.95	576.83	577.49
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88	581.90	581.84	581.73	581.33	581.18	580.99	
Year	1886	1886	1886	1886	1886	1886	1876	1876	1876	1876	1876	1883	
Min. mean for month since 1860	575.76	575.66	575.69	575.85	576.04	576.13	576.22	576.18	575.08	576.01	575.77	575.83	
Year	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1933	
Mean for month - last 10 years	577.62	577.53	577.52	577.69	578.00	578.18	578.30	578.24	578.06	577.86	577.70	577.50	577.85
Mean for month - since 1860	578.33	578.29	578.36	578.57	578.88	579.12	579.25	579.20	579.02	578.81	578.61	578.43	578.77

LAKE ERIE (at Port Colborne)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	569.47	568.98	569.26	569.91	570.01	569.99	569.78	569.62	569.21	569.00	569.08	568.93	569.44
HIGH LEVEL FOR MONTH	572.79	569.76	571.05	572.11	571.11	571.86	571.76	571.10	571.76	570.54	572.16	572.24	
Day and Hour	20/2030	20/1626	6/1836	30/1637	18/0802	10/2318	14/2203	13/0655	12/1027	3/1426	23/0938	9/2311	
LOW LEVEL FOR MONTH	567.33	568.55	568.17	568.44	568.89	569.13	569.05	568.69	567.26	568.02	567.96	567.44	
Day and Hour	11/1223	24/0209	5/1420	23/0329	10/1023	11/0423	14/1122	14/0219	12/1949	21/2330	27/1617	12/0319	
HIGHEST DAILY MEAN	570.80	569.18	570.19	570.51	570.34	570.42	570.14	570.14	569.65	569.42	569.74	569.89	
Day	14	2	20	4	8	12	14	13	3	7	23	24	
LOWEST DAILY MEAN	568.37	568.86	568.47	569.59	569.61	569.80	569.58	569.17	568.70	568.45	568.47	568.26	
Day	11	28	5	1	10	30	13	25	13	21	7	23	
Last year's mean for month	569.94	569.45	569.73	570.24	570.27	570.29	570.32	570.16	569.93	569.92	569.60	569.92	569.98
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.16	572.81	572.58	572.63	572.64	572.55	
Year	1863	1863	1863	1952	1862	1860	1862	1862	1861	1861	1861	1861	
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.55	568.56	568.53	568.46	568.35	568.24	567.97	568.07	
Year	1935	1935	1934	1935	1934	1934	1934	1934	1934	1934	1934	1934	
Mean for month - last 10 years	570.05	569.75	570.09	570.60	570.91	570.98	570.93	570.76	570.46	570.22	570.16	570.01	570.43
Mean for month - since 1860	570.32	570.09	570.25	570.77	571.09	571.27	571.28	571.05	570.79	570.57	570.47	570.44	570.72

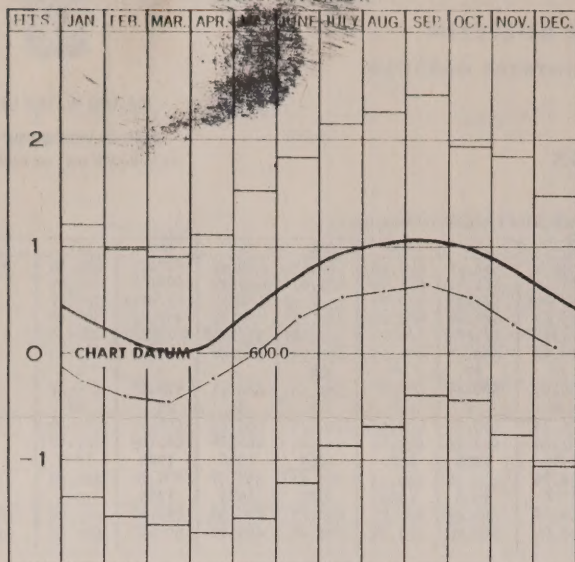
LAKE ONTARIO (at Kingston)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	243.92	243.39	243.27	244.43	245.31	245.72	245.63	245.45	244.81	244.13	243.61	243.34	244.42
HIGH LEVEL FOR MONTH	244.54	244.00	243.93	245.22	246.15	246.04	246.03	246.03	245.72	244.83	244.42	243.94	
Day and Hour	20/2228	2/2208	30/1209	30/2024	21/2020	20/1932	15/0655	4/0014	12/1356	3/0703	23/1032	10/0719	
LOW LEVEL FOR MONTH	243.36	243.00	242.32	243.59	244.43	244.97	245.30	245.03	244.05	243.44	243.19	242.75	
Day and Hour	11/1632	24/0347	19/2306	1/1049	10/1443	11/0050	20/0040	29/0212	27/2200	29/2032	27/2318	26/1337	
HIGHEST DAILY MEAN	244.15	243.64	243.77	244.79	245.68	245.86	245.77	245.66	245.21	244.88	243.77	243.56	
Day	14	2	30	24	29	22	4	4	1	1	4	9	
LOWEST DAILY MEAN	243.62	243.19	242.97	243.73	244.88	245.62	245.52	245.22	244.45	243.65	243.38	242.95	
Day	31	28	11	1	1	2	31	28	28	29	7	26	
Last year's mean for month	243.38	243.11	243.26	244.29	245.03	245.32	245.16	245.03	244.69	244.51	244.24	244.25	244.36
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76	247.51	246.95	246.64	246.65	246.44	
Year	1886	1886	1952	1952	1952	1952	1947	1947	1947	1861	1861	1861	
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80	242.34	242.05	241.79	241.52	241.50	
Year	1935	1936	1935	1935	1935	1935	1934	1934	1934	1934	1934	1934	
Mean for month - last 10 years	243.97	243.89	244.22	244.99	245.57	245.68	245.44	245.04	244.62	244.25	244.06	243.94	244.64
Mean for month - since 1860	244.20	244.25	244.52	245.13	245.54	245.68	245.60	245.28	244.87	244.51	244.27	244.20	244.85

MONTREAL HARBOUR (at King Edward Pier)

MONTREAL HARBOUR (at King Edward Pier)													
MEAN FOR MONTH	33.51	30.80	23.64	22.40	19.09	17.91	17.63	17.89	18.16	17.84	18.81	20.40	21.51
HIGH LEVEL FOR MONTH	37.83	34.68	29.74	27.00	20.73	18.53	18.23	18.57	19.26	18.84	21.11	29.54	
Day and Hour	24/0026	1/0057	1/0003	5/1858	3/1125	7/1041	22/0842	25/1253	12/1810	4/0943	9/1243	31/2027	
LOW LEVEL FOR MONTH	28.96	28.27	19.68	19.43	17.45	17.36	16.97	17.13	17.09	16.74	17.39	18.48	
Day and Hour	12/0741	17/0952	25/0844	30/0909	31/2147	30/2215	2/1523	1/0214	26/1241	14/1215	27/1032	16/0521	
HIGHEST DAILY MEAN	37.32	34.33	29.36	26.76	20.57	18.33	18.07	18.38	19.07	18.62	20.85	27.97	
Day	23	1	1	5	3	7	21	25	14	4	9	31	
LOWEST DAILY MEAN	29.28	28.66	19.89	19.62	17.71	17.57	17.18	17.49	17.36	17.08	17.56	18.69	
Day	11	17	25	30	31	30	31	2	26	14	26	16	
Last year's mean for month	26.63	30.13	23.08	22.14	20.58	18.48	18.06	18.21	17.95	18.07	18.47	19.63	20.95
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73	26.87	25.39	25.38	25.82	26.05	34.21	
Year	1886	1890	1890	1887	1876	1876	1861	1861	1869	1861	1861	1875	
Min. mean for month since 1860	21.25	25.61	23.08	20.78	19.09	17.91	17.63	17.51	17.22	17.21	17.07	18.73	
Year	1932	1935	1962	1931	1963	1963	1963	1934	1934	1934	1934	1949	
Mean for month - last 10 years	30.43	31.38	26.09	24.34	22.22	20.88	20.40	19.67	19.42	19.32	19.52	21.16	22.90
Mean for month - since 1860	32.84	32.36	31.52	29.56	25.86	24.12	22.58	21.60	21.01	20.88	21.12	24.65	25.71
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN

LAKE SUPERIOR



CANADA

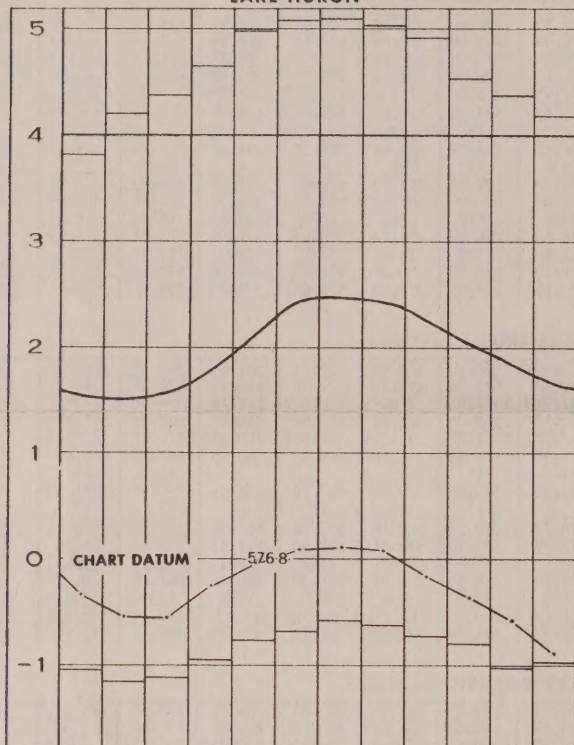
INLAND WATER LEVELS
CANADIAN HYDROGRAPHIC SERVICE
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

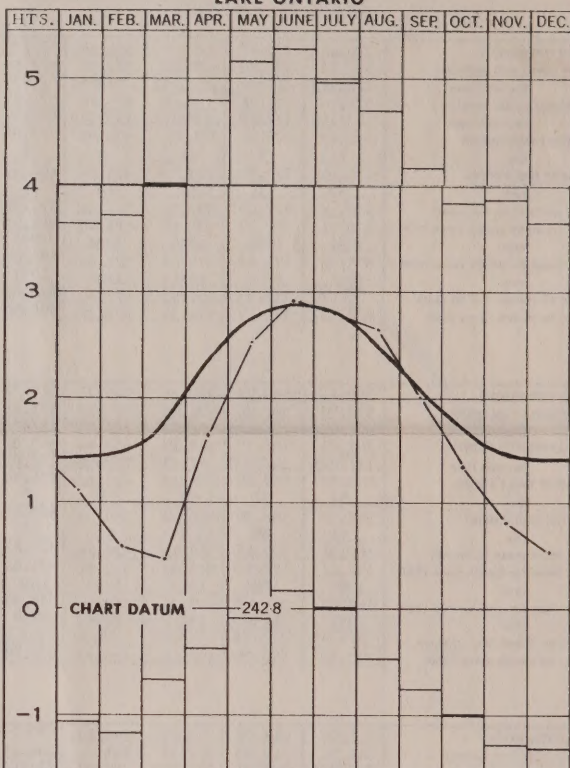
1963

Maximum	_____	PERIOD OF RECORD MONTHLY
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Mean	_____	

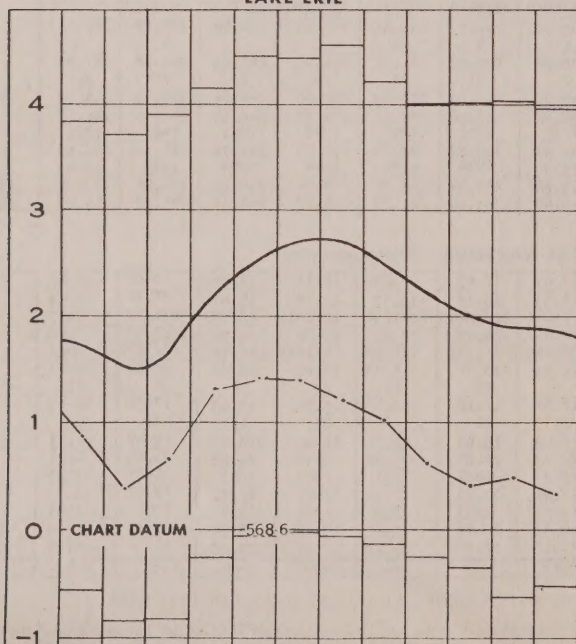
LAKE HURON



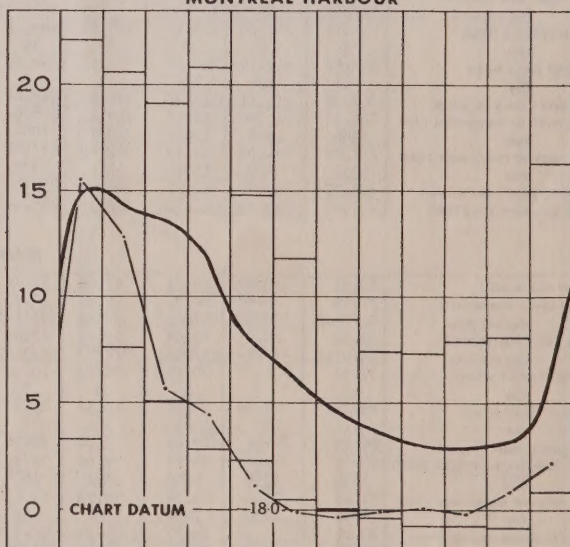
LAKE ONTARIO



LAKE ERIE



MONTREAL HARBOUR



HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.